

Corrigendum V

Revised RFP for Selection of Project Implementing Agency For Implementation Of ABP(Amended BharatNet Program) in Gujarat under GFGNL

**(Design, Construction, Supply, Implementation, Testing
& Commissioning and Operation & Management Model)**

(Tender No. GFGNL/GFG/e -file/263/2026/0070/Phase-III(ABP in Gujarat))

4th August, 2026



Issued By:

Gujarat Fibre Grid Network Limited (GFGNL)

A Government of Gujarat Company

Block No: 6, 5th Floor, Udyog Bhavan, Sector-11, Gandhinagar 382010

v) FACT SHEET

#	Particular	Details
9.	Last date for submission of Bid/proposal	02/07/2026 16/07/2026 30/07/2026 14/08/2026 18/08/2026 at 06:10 pm
10.	Last date for submission of Bid/proposal (Physical copy excluding financial bid only if asked based on nature of RFP) i) Tender Fee ii) EMD iii) PoA(Power of Attorney) Integrity Pact	Within 5 working days from the Date of submission of online bid dates in working hours (till 06:10pm) Address: Chief Finance Officer(CFO), Gujarat Fibre Grid Network Limited Block No: 6, 5th Floor, Udyog Bhavan, Sector-11, Gandhinagar 382010 in event of particular ask of submitting physical copy then logical portion of the bid should be appropriate in the respective sealed cover for maintaining confidentiality.

Query Responses:

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1	V	FACT SHEET cl.no.12 page no.21	Bid Security/ Earnest Money Deposit (EMD) Amount Payable	ITI Limited being a Central PSU may be allowed to submit Bid Security Declaration in place of EMD. Alternately Corporate Guarantee may be allowed to be submitted	No change. The provision shall remain as per the RFP.
2	V	FACT SHEET cl.no.12 page no.21	Bid Security/ Earnest Money Deposit (EMD) Amount Payable	EMD may be allowed to be submitted by any member of the consortium/split by consortium members and submit	No change. The provision shall remain as per the RFP.
3	3	3.1Prequalification criteria clause 2.1 page no.34	2.1 The Sole Bidder and In case of Consortium (combined turnover of lead bidder and Consortium member/s) should have an average annual turnover of at least following values in last three (3) audited financial years FY 2022-23, FY 2023-24, and FY 2024-25 or FY 2023-24, FY 2024-25, and FY 2025-26(non-audited may allowed) as per table details mentioned in Appendix # A	Considering the EMD value wrt to project value, the turnover requirement of the tender seems to be in higher side. Requested to reduce the turnover requirement inline with the estimated project cost and Govt. guidelines.	No change. The provision shall remain as per the RFP.

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4	3	3.1 subclause 3(1)a) Page No.35,36	Experience:The Sole or lead bidder (in case of consortium) or any one consortium member should have demonstrable experience with following in last 10 Years, as on this bid submission date: i)For Optical Fibre: a)The Sole or lead bidder (in case of consortium) or any one consortium member/s should have experience / Technical Capacity of having executed EPC OFC Network Construction project consisting of 24 or more core Under Ground OFC (to be calculated as per formula defined below) in the last 10 years (from bid submission date) within India, for at least as per table details mentioned in Appendix # A	We understand that only experience pertaining to OFC network construction will be considered for satisfying the eligibility criteria. Kindly confirm	The Clause is self explanatory, Bidders are advised to refer the clause and Pre-eligibility criteria section carefully.
5	3	3.1 subclause 3(1)b) Page No.35,36	For OFC O&M Experience: ii)The bidder should have satisfactorily completed in the last 10 years (from bid submission date) within India, the O&M of any OFC network of 24 or more Core Under Ground OFC [upto 40% of the O&M requirement can also be met through O&M of 24 or more core Aerial Fiber Cables ADSS/OPGW OFC, as required for EPC Network Construction capability mentioned above in (a), refer the table details mentioned in Appendix # A ii)The bidder should have satisfactorily completed in the last 10 years (from bid submission date) within India, the O&M of any OFC network of 24 or more Core Under Ground OFC [upto 40% of the O&M requirement can also be met through O&M of 24 or more core Aerial Fiber Cables (deployed in	The requirement of UG & Ariel OFC in the clause is contradictory. We understand that the requirement of OFC network maintenance can be met by UG OFC (upto 40% of the O&M requirement may also be met through O&M of 24 or more core Aerial Fiber Cables)	The clause is self-explanatory. However, for more clarity, it is reiterated that the experience requirement shall primarily be considered for Operation & Maintenance (O&M) of Underground (UG) Optical Fiber Cable (OFC) with a fiber count of 24F or higher. Further, in order to

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			BharatNet by BBNL or state SPV)/ ADSS/ OPGW OFC, as required for EPC Network Construction capability mentioned above in (a), refer the table details mentioned in Appendix # A		promote wider participation, it is clarified that if a bidder does not fully meet the prescribed UG OFC O&M experience criteria, up to 40% of the required O&M experience may be fulfilled through experience in aerial OFC O&M of 24F or higher fiber count. Such aerial OFC experience pertain to networks (deployed under BharatNet by BBNL or State SPVs)/ ADSS/OPGW OFC networks as required for EPC Network Construction capability mentioned above in the RFP.

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6	Note 3	Note:3 Consortium Criteria: clause (xvi) Page No. 51	The award of contract shall be signed with the Lead Bidder only and the Lead Bidder shall be single Point of Contact for this Project. PBG shall be submitted by the Lead Bidder	PBG may be allowed to be submitted by any of the consortium member	No change. The provision shall remain as per the RFP.
7	Appendix # A	Table-02 For Lead Bidder and Consortium. Sr.No - A	a) For the cases of (Lead with one Consortium) 4700 Cr (Min 2350 Cr of Lead bidder However, the other members of the consortium should have minimum Rs. 400 Cr average annual turnover during last 3 financial years) b) For the cases of (Lead with two Consortium) 4700 Cr (Min 1900 Cr of Lead bidder However, the other members of the consortium should have minimum Rs. 400 Cr average annual turnover during last 3 financial years)	As the tender defines the consolidated turnover of consortium @ 4700cr and minimum lead bidder turnover @ 2350cr / 1900cr respectively which already secures the financial capity condition for the lead bidder, we request GFGNL to relax the turnover criteria for 2nd , 3rd consortium member at 250cr to enable Prospective bidders to particiapte in the project for a wider participation.	No change. The provision shall remain as per the RFP.
8	Appendix # A	Table-02 For Lead Bidder and Consortium. Sr.No - C	For Active Equipment's Experience (Numbers) Consortium Partner and/or Lead Bidder. 1,000 Numbers Min 500 Numbers experience from atleast one consortium partner	Please clarify the equipments which is been considered as "Active equipments" as per GFGNL. Generally Active equipment in telecom refers to any intelligent device that requires an electrical power source to process, route, amplify, or transmit data signals. Eg - Routers, Switches (L2/L3), OLT, SDH Etc.	Refer the details mentioned in the clause 3.1 -3 in Pre-Qualification criteria table, However for better understanding the clause is reproduce here for reference, <i>"The active nodes to be considered for this criterion can be IP MPLS Routers(other then FTTx/Wi-Fi CPE), Layer-3</i>

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					<i>Switches, BNGs, PTNs/CPANs, DWDM, OLTs of 16 or more ports, and OTN."</i>
9	3.1 PRE-QUALIFICATION CRITERIA	Sr.No-2	2.1 The Sole Bidder and In case of Consortium (combined turnover of lead bidder and Consortium member/s) should have an average annual turnover of at least following values in last three (3) audited financial years FY 2022-23, FY 2023-24, and FY 2024-25 or FY 2023-24, FY 2024-25, and FY 2025-26(non-audited may allowed) as per table details mentioned in Appendix # A The Sole Bidder and Bidder in case of consortium(Lead and consortium) should be in the business of OFC Business or Telecom or EPC in underground utility (OFC or Power or Pipeline or GAS or other utility).	The tender contains huge volume of IT/ITES related products & service like Command centre setup and associated IT Hardware & Softwares, In the view of wider participation of prospective bidders, Request the clause to be modified as below. 2.1 The Sole Bidder and In case of Consortium (combined turnover of lead bidder and Consortium member/s) should have an average annual turnover of at least following values in last three (3) audited financial years FY 2022-23, FY 2023-24, and FY 2024-25 or FY 2023-24, FY 2024-25, and FY 2025-26(non-audited may allowed) as per table details mentioned in Appendix # A The Sole Bidder and Bidder in case of consortium(Lead and consortium) should be in the business of OFC Business or Telecom or EPC or IT/ITES in underground utility (OFC or Power or Pipeline or GAS or other utility).	No change. The provision shall remain as per the RFP.

1 0	Clause 5.12 – Scope of Work for BSNL Exchange / Shelter, Clause 4.73 – Subcontracting and relevant OEM/MAF support clauses	154 onwards, 111 & relevant MAF clauses	Tender includes substantial scope relating to probable deployment of new telecom shelters, upgradation of existing shelters, passive infrastructure integration and long-term O&M responsibilities for shelter infrastructure. The project also includes operation & maintenance of more than 400 existing GFGNL shelters. Tender further mandates OEM Authorization / MAF, warranty support, spare availability and lifecycle support obligations for various active and passive telecom products. However, no specific mandatory Shelter OEM Authorization requirement has been prescribed despite telecom shelters being a critical telecom infrastructure asset.	It is requested to kindly incorporate mandatory submission of valid Manufacturer Authorization Form (MAF) from the telecom Shelter OEM's. Telecom shelter infrastructure directly impacts network uptime, equipment protection, environmental control, power reliability, maintainability and long-term O&M performance of BharatNet infrastructure. Further, considering that the project includes long-term operation & maintenance responsibilities for more than 400 existing GFGNL shelters which are exclusive property of GFGNL along with additional proposed shelter infrastructure and associated shelter equipments for a period of 10 years. Considering stringent network uptime obligations at Block level(which is currently maintained at 99% being the best in industry), it becomes crucial to obtain OEM authorization and support from technically qualified and experienced Shelter OEMs having long-term support capability. It is further requested that: (i) the proposed Shelter OEM should possess proven experience of minimum 100+ telecom shelters/porta cabins(as per the clause no 4.73 point no xii of the RFP) involving design, supply, installation, testing & commissioning and/or maintenance, (ii) the Shelter OEM should provide undertaking towards warranty support, spare availability, lifecycle support, after-sales support and structural support for the complete contract duration, (iii) the	Pl see updated Clause in corrigendum-III with annexure-XX(MAF Required list)
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				Shelter OEM should declare make/model of major shelter equipments like BB, AC, SMPS at bid stage, and (iv) only technically qualified and OEM-backed shelter vendors should be permitted for execution of shelter-related works to ensure uniform quality standards, OEM accountability and long-term reliability of BharatNet shelter infrastructure.	
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1 1	Clause 5.12 – Scope of Work for BSNL Exchange / Shelter; Clause 4.73 – Subcontracts for Services ; relevant O&M / OEM-MAF support provisions	Clause 5.12: Page 154 onwards; Clause 4.73: Page 111; relevant O&M / MAF clauses	Clause 5.12 covers Scope of Work for BSNL Exchange / Shelter, including shelter-related deployment, upgradation and O&M activities. Clause 4.73 permits subcontracting of infrastructure-related activities. The project also involves long-term O&M of existing BharatNet shelter infrastructure, including more than 400 existing shelters, and probable deployment/upgradation of additional shelters. Shelter environments require controlled operating conditions for telecom and power equipment through continuous functioning of air-conditioning/cooling infrastructure.	It is submitted that telecom shelter uptime and operational reliability are substantially dependent on proper cooling performance, thermal load management, air circulation design, insulation quality, heat dissipation planning and integration of air-conditioning systems within the shelter environment. Further, shelter air-conditioning systems should support integration with shelter alarm/monitoring systems for temperature alarms, fault indications and operational monitoring during network O&M operations. Any mismatch between shelter configuration and cooling system design may adversely affect telecom equipment performance, energy efficiency, equipment life and overall network uptime during long-term O&M operations. Therefore, considering that the project includes approximately 10 years O&M responsibilities, more than 400 existing BharatNet shelters, probable installation/upgradation of additional shelters, and stringent uptime obligations, it is requested that mandatory Manufacturer Authorization Form (MAF) from the proposed Shelter OEM may kindly be incorporated in the tender. It is further requested that the Shelter OEM MAF should clearly specify the proposed shelter make/model along	Please see preceding Response in query Sr. Nu. 10

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				with major integrated infrastructure component details including Air Conditioner make/model details to ensure proper thermal compatibility, coordinated OEM support, maintainability, alarm system integration compatibility, spare planning and long-term operational reliability of the shelter infrastructure.	

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1 2	SECTION -3 ELIGIBILI TY CRITERI A	3.1 , Appendix # A, #Table-02 For Lead Bidder and Consortium (Pg-44)	B.Total Experience Of OFC Project(Km) Consortium Partner and/or Lead Bidder In Last 10 Years <i>Three(3) Orders/Organization Work, each having 12,000Km or Rs. 500 Cr. (Total Min. 6000 Km or Rs.250 Cr. experience from atleast one consortium partner)</i> Or <i>Two(2) Orders/Organization Work, each having 15,000Km or Rs. 600 Cr. (Total Min. 7500 Km or 300 Cr. experience from atleast one consortium partner)</i> Or <i>One(1) Order/Organization Work, each having 25,000Km or Rs. 1000 Cr. (Total Min. 12500 Km or Rs. 500 Cr experience from atleast one consortium partner)</i>	The Criteria mentioned in tender document is on higher side. for better & Wide participation the criteria may be relaxed as under : Three(3) Orders/Organization Work, each having 4,000Km or Rs. 150 Cr. (Total Min. 4000 Km or Rs.150 Cr. experience from atleast one consortium partner) Or Two(2) Orders/Organization Work, each having 6,000Km or Rs. 250 Cr. (Total Min. 4000 Km or 150 Cr. experience from atleast one consortium partner) Or One(1) Order/Organization Work, each having 8,500Km or Rs. 500 Cr. (Total Min. 8000 Km or Rs. 400 Cr experience from atleast one consortium partner)	No change. The provision shall remain as per the RFP.

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1 3	SECTION -3 ELIGIBILI TY CRITERI A	3.1 , Appendix # A, #Table-02 For Lead Bidder and Consortium (Pg-45)	C.Experience Of OFC- O&M (Kms) Consortium Partner and/or Lead Bidder in Last 10 Years <i>The bidder should have satisfactorily completed in the last 10 years within India, the O&M of any OFC network of 24 or more Core Under Ground OFC OFC for the number of 'Year Kms' (for the network for which O&M has been done for at least one year) at least equal to 85,000 Kms (a minimum 40% of the O&M requirement should be met through O&M of 24 or more core aerial fibre cables) (deployed in BharatNet by BBNL or state SPV)/ ADSS/ OPGW OFC as required for EPC Network Construction capability mentioned above.</i> <i>Year Kms: If O&M of "X" Kms of OFC has been done for "N" years (N>=1), then 'Year Kms' = "X multiplied by N".</i> <i>Min. 50% experience from atleast one consortium partner</i>	The Criteria mentioned in tender document is on higher side. for better & Wide participation the criteria may be relaxed as under : The bidder should have satisfactorily completed in the last 10 years within India, the O&M of any OFC network of 24 or more Core Under Ground OFC OFC for the number of 'Year Kms' (for the network for which O&M has been done for at least one year) at least equal to 53,000 Kms (a minimum 25% of the O&M requirement should be met through O&M of 24 or more core aerial fibre cables) (deployed in BharatNet by BBNL or state SPV)/ ADSS/ OPGW OFC as required for EPC Network Construction capability mentioned above. Year Kms: If O&M of "X" Kms of OFC has been done for "N" years (N>=1), then 'Year Kms' = "X multiplied by N". Min. 50% experience from atleast one consortium partner	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision

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1 4	SECTION -10 SPECIAL TECHNIC AL CONDITI ONS Annexur e B: TECHNIC AL SPECIFIC ATIONS OF NETWO RK AND ITS COMPO NENTS	X. Pg. 415 Remote Fibre Management System (RFMS)	Wavelength Supported: 1650 nm, 1550 nm, 1310 nm	As Phase II involves monitoring of dark fibers, kindly confirm whether Phase III requires monitoring of dark fibers or live fibers. If only dark fiber monitoring is required, we request that the 1650 nm wavelength requirement be removed, as 1310 nm or 1550 nm wavelengths are sufficient for dark fiber monitoring.	Please refer the updated clause in corrigendum/Maste r RFP, required monitoring of Live as well as dark fibers
1 5	SECTION -10 SPECIAL TECHNIC AL CONDITI ONS Annexur e B: TECHNIC AL SPECIFIC ATIONS OF	X - J - c Pg. 418 Remote Fibre Management System (RFMS)	Integrated cable Management System for Inside and outside plant. Optical Inventory Module for logical and Physical network for port-to-port connectivity, Route search and service provisioning	Since this clause is not related to RFMS please delete this clause.	It was Typo error, the RFP clause "Integrated cable Management System for Inside and outside plant. Optical Inventory Module for logical and Physical network for port-to-port connectivity, Route search and service provisioning"

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	NETWO RK AND ITS COMPO NENTS				belongs to GIS.Please refer correction in Corrigendum/maste r RFP accordingly.
1 6	3.1 PRE- QUALIFI CATION CRITERI A	3	For offered NMS product OEM Experience: OEM shall have experience of Deployment and atleast one (1) year duration for O&M of network devices. (WO copy/ contract copy) with any of one document as legitimate evidence of claimed experience from client. i) O&M Work Experience & performance Certificate.	Need more clarity on "O&M work experience from OEM", this is part of PIA / Bidder experience scope. Kindly elaborate further.	The clause is self- explanatory and pertains to the OEM's experience with the offered NMS product. Bidders are requested to comply with the specified requirement with their offered product.
1 7	3.1 PRE- QUALIFI CATION CRITERI A	6	6.1 The Sole Bidder or lead Bidder (in case of consortium) should submit valid letter from each of the OEM (maximum two(2) OEM for active component and four(4) for passive component)	Is this applicable to Operational Visibility Platform (NMS+OSS+BSS) tools? Kindly confirm.	The word "Operation Visibility Platform" is stands deleted. However, The NMS, OSS, BSS will still remain in the scope of PIA either individual element or combination of all/any. Being a critical elements of the ABP, PIA has to ensure the integration of each

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					component as a part of ABP.Further, Maximum 1 OEM MAF for each shall be allowed.
1 8	SECTION -4 INSTRUC TIONS TO BIDDERS	4.50	iii. IPR of finished / customized product shall belongs to the tenderer.	IPR of "Operational Visibility Platform (NMS+OSS+BSS)" will remain with respective OEMs, kindly confirm.	The IPR of the base / standard product of the NMS, OSS, BSS and other module/s shall remain with the respective OEMs. However, any customizations, configurations, or integrations developed,finished specifically under this project shall be owned by the tenderer in line with the RFP clause. No Change. The provision shall remain as per the RFP.

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1 9	5.15 SCOPE OF WORK FOR STATE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	9	The PIA shall give rights and access of State NOC to Central NOC or any other person/ agency authorized by Central NOC for provisioning of OLT or any other equipment/ services of ABP network.	The access required from CNOC to SNOC for provisioning is expected at the Web UI (login credentials) or API level? Kindly share more details on the scope & approach.	The access from Central NOC (CNOC) to State NOC (SNOC) is expected to be provided in a secure and controlled manner, which may include: Web-based UI access (through role-based login credentials), and/or API-based integration, wherever supported for automated provisioning and monitoring. However, The exact method of access (UI/API) shall be finalized during the detailed design and implementation phase, ensuring compliance with security policies, interoperability, and operational requirements. Bidders are

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					requested to design the solution accordingly and ensure flexibility to support both modes of access to avoid last moment rush and delay in project. Further,SDC/State NOC to Central NOC DCN link shall be arrange by GFGNL for which PIA shall not be charged.
2 0	5.15 SCOPE OF WORK FOR STATE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	25	NOC shall support language like English, Hindi and Gujarati for URL and IP database and Dashboard for compliance related requirement.	Is this a mandatory requirement?	Please refer the updated clause in corrigendum/Maste r RFP

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2 1	5.15 SCOPE OF WORK	27	The PIA shall provide a centralized S-NOC Data Lake to ingest structured and unstructured data from NMS, OSS, BSS, CRM, Helpdesk and Inventory systems.	The Data Lake is a separate facility outside of "Operational Visibility Platform (NMS+OSS+BSS)" scope. Kindly confirm.	Correct. Please refer the updated clause in corrigendum/Master RFP
2 2	5.15 SCOPE OF WORK FOR STATE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	28	The Data Lake shall support analytics for network status trends, utilization trends, SLA performance, risk visualization and performance optimization insights.	The Data Lake is a separate facility outside of "Operational Visibility Platform (NMS+OSS+BSS)" scope. Kindly confirm.	PI see Preceeding response in Query-21.
2 3	5.15 SCOPE OF WORK FOR STATE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM	30	The S-NOC shall provide real-time operational status of OLTs/ONTs (GPs), routers, switches, Wi-Fi access points, all other active elements of the network, FTTH(Horizontal and LMCA) connections, and more. This information will be accessible via web and app interfaces and integrated with the Digital Bharat Nidhi (DBN) Project Monitoring tool.	Need more details regarding the integration scope with "Digital Bharat Nidhi (DBN) Project Monitoring tool".	As per the standard BharatNet framework under DBN, C-NOC is to be established for virtual monitoring of all the Bhararnet project across the states.Accordingly, PIA has to support integration of SNOc to CNOc either through API or any

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	ENTATI ON				other suitable mechanism suggested by DBN.
2 4	5.15 SCOPE OF WORK FOR STATE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	36	State/UT-specific dashboards shall provide quality, quantity, and other details for local administration. Centralized billing/monitoring dashboards shall also be made available to union ministries and departments funding BharatNet services. API integration with dashboards/applications such as but not limited to GRIT, CM dashboard, and DoT will be facilitated.	Kindly confirm the list of integrations and scope for each application.	Any quantity or quality related parameters of GFGNL proposed dashboard should be integrated via API to various state/central dashboard but not limited CM dashboard, GRIT and DoT

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25	5.15 SCOPE OF WORK FOR STATE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	39	The PIA shall be required to carry out integrations, as needed, with other systems of GFGNL (including but not limited to GIS, NMS with OSS/BSS, EMS, ERP, etc.) for the purpose of exchanging alarms, inventory, configurations, service life cycle data, performance metrics, GP lit-up status, project progress, or any other relevant information during the contract period, at no additional cost to GFGNL. The PIA shall also be solely responsible for implementing all change requests as and when required during the contract tenure, without any additional cost to GFGNL.	The scope of CRs (change requests) mentioned here are limited to integration adaptations and not functional requirements - kindly confirm.	For better clarity , Please refer the updated clause in corrigendum/Master RFP in Clause - 5.15(52-cc)

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2 6	5.15 SCOPE OF WORK FOR STATE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	54	IV. The solution shall provide centralized, real-time visibility of BharatNet infrastructure and services from State level down to District, Block, Gram Panchayat and Village level; enable proactive fault detection, trouble ticketing, SLA monitoring, MTTR tracking and escalation; support utilization, monetization and regulatory reporting for dark fiber, bandwidth leasing and FTTH connections; provide a single-window interface for Service Providers, stakeholders and Government users; and establish a transparent, SLA-linked grievance redressal mechanism with complete audit trails.	Need more details on the requirement of "monetization and regulatory reporting for dark fiber, bandwidth leasing and FTTH connections", and "SLA-linked grievance redressal mechanism with complete audit trails".	As far as Monetization of darkfiber is concerned, GFGNL is expecting following broad level of functionality but not limited to: Dark fiber leasing inventory, occupancy and utilization reports. Bandwidth leasing/customer-wise service utilization reports. FTTH connection statistics, subscriber provisioning and service status reports. Reports required for operational, management, audit, regulatory and Government review purposes. For SLA Linked grievance redressal- GFGNL is seeking following functionality but

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					not limited to : The S-NOC solution shall provide a centralized complaint/ticket management capability for registration, assignment, tracking, escalation and closure of grievances/complaints related to BharatNet services and infrastructure.
2 7	5.15 SCOPE OF WORK FOR STATE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	55	15 Compatibility & Integration NMS should support SNMP, JAVA, CORBA, XML, REST API, and integration with OEM APIs. The system must support both legacy and future technologies for seamless data exchange.	Need details of existing legacy systems that need to be integrated.	The details provided in clause 9.37 ANNEXURE-XXXVII Sizing of existing EMS, NMS and GIS for GFGNL

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28	3.1 PRE-QUALIFICATION CRITERIA	40	6. MAF Note: iii) TSEC/TAC are applicable for Hardware (Active and Passive only).	The RFP presently requires submission of TSEC/TEC-GR certification for the proposed Hardware OEMs. As Software OEMs also form a critical component of the overall solution and have a direct bearing on security, reliability, and service delivery, it is requested that the requirement be extended to the proposed Software OEMs as well. This will ensure uniform compliance standards, objective evaluation, and consistent quality assurance across all major solution components.	Refer the list of TAC/ TSEC (Required/ Not Required) table mentioned in the section 6.6.2 for better clarity on requirements.
29	5.2 DETAILED SCOPE OF WORK	131	12 (c) PIA shall integrate existing BharatNet infrastructure with NOC as required to be implemented under the project. PIA shall integrate entire BharatNet infrastructure existing (Phase I & II) and newly created network with the EMS and NMS to be deployed in State NOC/SDC. Further the NMS of State NOC shall be integrated with the NMS of centralized BharatNet NOC(Bangalore/Delhi/any other locations decided by DoT/DBN/GFGNL).	BharatNet infrastructure existing (Phase I & II) shall be integrated with proposed S-NOC NMS/OSS through existing Phase II NMS managing Phase 1 & Phase II or through respective Phase 1 EMS & Phase II EMS?. PI clarify	Successful Bidder shall take the handover of the existing system as is where is basis as per NOC delivery timeline, it is bidder's responsibility to migrate the existing system through respective EMS to new single platform for better monitoring of existing and new network assets.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 0	5.15 SCOPE OF WORK FORSTA TE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	169	1. GFGNL has already established S-NOC with state of art facilities at Udyogbhavan, Gandhinagar as part of the BharatNet Phase-II. The PIA will be required to upgrade these S-NOCs in accordance with the functional requirements mentioned below, by suitably modifying the indicative BoM after obtaining the approval from GFGNL/IE. The Active, IT and Non IT component list given in (clause 9.36) Annexure-XXXVI. This infrastructure can be utilized/upgrade/replaced to meet the requirements of ABP. GFGNL shall provide the space and power at SDC/SNOC.	It is possible that the S-NOC infrastructure which houses NMS, GIS could be EOL. It is better to replace the same to provide support for during contract period of 10 Years. PI clarify.	Existing NMS, GIS are hosted at SDC which is State owned infra. Further New NMS and GIS shall also be hosted at updated SDC infra. Only other than Compute resources is part of PIA scope.
3 1	5.15 SCOPE OF WORK FORSTA TE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	169	8. The S-NOC shall enable all the eMS to be integrated with Central NOC to fetch the required parameters directly.	Does this mean that integration with Central NOC only through eMS & not through proposed S-NOC NMS. PI clarify	It is clarifying that every element should be visible from C-NOC, either through individual or through NMS.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 2	5.15 SCOPE OF WORK FORSTA TE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	169	9. The PIA shall give rights and access of State NOC to Central NOC or any other person/ agency authorized by Central NOC for provisioning of OLT or any other equipment/ services of ABP network.	As per this clause, only access of State NOC to Central NOC to be provided through EMS or proposed S-NOC NMS and no API integration is required at C-NOC for provisioning of OLT? PI clarify	No change. The provision shall remain as per the RFP.
3 3	5.15 SCOPE OF WORK FORSTA TE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	170	13. PIA shall also be responsible for complete IP scheme design and allocation as per requirement, third party integration, monitoring of all components, configuration of all devices, monitoring all devices through NMS/EMS, Helpdesk/Service desk solution. Coordination with multiple agencies for project execution, Compute and storage solution, follow guidelines- GOI, TRAI, GOG, DST, supplied device with all required licenses, features as per requirement etc. PIA is free to add the component/device/ server/services to meet the operational requirement.	As per this clause, IP Address Management System Module required to be proposed for IP schema design and allocation? PI clarify	PIA shall be responsible for complete IP schema design, planning, allocation, management, and monitoring as part of the overall solution. The bidder may propose an IP Address Management (IPAM) module/system, if required for better O&M , to meet the functional and operational

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					requirements of the project. However, provision of a separate IPAM solution is not mandatory. PIA for best industrial practices of O&M shall design the solution. The PIA shall ensure compliance with all requirements related to IP management, irrespective of the solution proposed.
3 4	5.15 SCOPE OF WORK FORSTA TE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	170	16. PIA shall be responsible to provide separate logins (NMS/EMS, OSS+BSS+CRM, Helpdesk etc.) for multiple agencies and shall be responsible for maintain audit trail.	Each of these Applications (such as OSS+BSS+CRM, GIS, Helpdesk) shall be integrated with centralized auhorization system? Pl clarify	It is bidder's responsibility to make interoperable and integrated with each other without additional cost to GFGNL

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 5	5.15 SCOPE OF WORK FORSTA TE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	170	18. PIA shall be responsible for integration of S-NOC with BBNL/DBN,DoT or any other authorized ask from GFGNL for government agencies through API or any other possible mechanism.	As per this clause, does it mean that S-NMS needs to provide API which shall be used by BBNL or any other 3rd Party systems. 3 Party system need to customize interface as per integration API from S-NOC NMS. This is to avoid separate APIs for each 3rd Party integrations. PI clarify	No change. The provision shall remain as per the RFP.
3 6	5.15 SCOPE OF WORK FORSTA TE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	171	25. NOC shall support language like English, Hindi and Gujarati for URL and IP database and Dashboard for compliance related requirement.	Whether GUI localization, data-language support, or both are required. The current wording does not definitively require a multilingual GUI. PI clarify	Refer the Preceding Response in Query 20

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
37	5.15 SCOPE OF WORK FORSTA TE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	171	27. The PIA shall provide a centralized S-NOC Data Lake to ingest structured and unstructured data from NMS, OSS, BSS, CRM, Helpdesk and Inventory systems.	PI clarify that Data Lake functionality shall be provide as part of NMS/OSS line item in SOR?	PI see Preceeding response in Query-21.
38	5.15 SCOPE OF WORK FORSTA TE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	174	48. ABP PH-III Integration & NOC Coordination: PIA shall create FCAPS (Fault, Configuration, Accounting, Performance, Security Management) templates defined in SOP by IE or designated agency by GFGNL. The PIA will integrate with UNMS Delhi and Bangalore NOCs or any other location, providing data via APIs. The PIA is responsible for Bangalore and Delhi UNMS NOC or any other location integration, including backup lines, and coordinating with stakeholders. Regarding UNMS integration and monitoring, the PIA will establish connectivity and integrate with the UNMS Delhi and Bangalore NOCs, providing GIS, inventory, FCAPS, and service provisioning details via APIs.	What UNMS referes here? Is it C-NOC of Bharatnet ? PI clarify	Yes, For the Cluase mentioned UNMS shall refer to CNOC

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
39	Sub-Section 5.5 54. Operational Visibility Platform (NMS + OSS + BSS):	177	The system will streamline operations, ensure SLA compliance, and support end-to-end lifecycle automation with mobile-based deployment, GIS-based topology visualization, and OEM-engineer backed customization.	Active Inventory shall be provided to GIS System & Topology shall be shown in GIS System. Is our understanding correct ?	Normally, GIS shall provide the physical topology including fibre core trace and NMS shall provide the Logical. However, based on customized requirement based on field, SoP shall be prepared and shared for delivery and system should support without any additional cost to GFGNL.
40	Sub-Section 5.5 54. Operational Visibility Platform (NMS + OSS + BSS):	177	The PIA shall design, supply, configure, integrate, deploy, operate and maintain an Integrated software platform for monitoring, operation, governance and utilization of the BharatNet network in the State, in accordance with the requirements of the Digital Bharat Nidhi (DBN) Amended BharatNet Program . The S-NOC solution shall comprise a tightly integrated suite of Network Management System (NMS), Operations Support System (OSS), Business Support System (BSS), Customer Relationship Management (CRM), and Helpdesk & Grievance Management modules , operating as a unified platform.	As per this clause, are NMS & OSS are two separate systems or same & can be referred as NMS/OSS for centralized monitoring & management of Phase I, II & III Network. Pl clarify	For wider participation, the clause is corrected with having single or separate system. However tightly integration is needed so that data/traps can be exchanged among the modules.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 1	5.23.4 NETWO RK INVENT ORY	226	a. The PIA would be required to maintain an inventory of all the components used in the network and the spares available at the different levels and locations in the ERP software. Warehouse for keeping the spares at BHQ/DHQ shall be in scope bidder.	5.23.4 NETWORK INVENTORY requirement shall be met by ERP software ? Which is being procured as part of this RFP? PI clarify	Active inventory of network are to be managed by IAM mentioned in sub category of NMS tech specs and Fiber inventory to be managed in GIS. ERP to be removed from Network Inventory
4 2	6.2 PROJECT TIMELIN ES	256	T0+ 180 Days Aggregate commissioning of 12% GPs in a ring visible on the S-NOC / validated through C-NOC using EMS with IP-MPLS Visibility report of GP Ring from EMS/NMS of Central NOC, and digital asbuilt diagram update in GFGNL GIS(ISP/OSP inventory), Monthly Progress Report	As per this, S-NOC NMS shall be deployed within 180 days and shall able to monitor 12%GPs & also shall be integrated with C-NOC? PI Clarify	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Maste r RFP for the updated provision
4 3	XXXII. Network Manage ment System (NMS) – Technic al Specific ations	490	Operations Support System (OSS)	There is reference to OSS and clause provided under this heading are related to Trouble Ticketing solution. PI clarify.	The objective is to ensure fault-to-ticket automation and ticket lifecycle management for network operations. Bidder shall provide this functionality along with the proposed OSS platform.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 4	XXXII. Network Manage ment System (NMS) – Technic al Specific ations	491	BSS-1 Leasing Management BSS-2 Utilization Tracking BSS-4 Revenue & Monetization Reports	Please clarify whether Leasing Management is expected to support only maintenance of leasing records and reporting, or whether it also includes contract lifecycle management, resource allocation, provisioning coordination, billing support, utilization management, and revenue-sharing processes for leased services.	Please refer the updated clause in corrigendum/Master RFP.
4 5	XXXII. Network Manage ment System (NMS) – Technic al Specific ations	491, 492	BSS-2 Utilization Tracking BSS-5 Regulatory Reporting BSS-9 Integration CRM-3 Status Visibility CRM-4 Integration	Please provide details of the systems that will interface with the proposed BSS/CRM solution and indicate whether standard APIs/interfaces are available for integration with OSS, Inventory, PMIS, Helpdesk, Performance Management, and external reporting systems.	It is bidder's responsibility to integrate with standard API or through interface with each of the modules
4 6	XXXII. Network Manage ment System (NMS) – Technic al Specific ations	492	Stakeholders shall be able to view service status, request progress and basic performance visibility through the CRM.	Please clarify the expected scope of service visibility within CRM, specifically whether performance metrics and service status information will be sourced from existing OSS/Performance Management platforms or are expected to be generated within the proposed solution.	Pls refer integration (Point 4) in CRM

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 7	XXXII. Network Manage ment System (NMS) – Technic al Specific ations	491, 492	BSS-5 Regulatory Reporting BSS-10 Tariff & Non-Discriminatory Access Compliance CRM-7 Data Privacy (DPDP Act 2023)	Please provide details of the mandatory regulatory, audit, tariff-compliance, and statutory reports required by DBN, CCA, and other regulatory authorities, including any prescribed formats, templates, or compliance obligations to be supported by the solution.	The bidder shall provide a solution capable of supporting regulatory, statutory, audit, tariff, reporting, and compliance requirements as may be prescribed by DBN, DoT, CCA, TRAI, GFGNL, or any other competent authority from time to time. The bidder shall ensure adequate flexibility in the proposed solution to generate reports and support compliance requirements in prescribed formats, as and when notified by the respective authorities.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 8	XXXII. Network Manage ment System (NMS) – Technic al Specific ations	491, 492	BSS-1 Leasing Management BSS-3 FTTH & Subsidy Data BSS-4 Revenue & Monetization Reports CRM-1 Single Window Interface CRM-2 Service Request Management	Please clarify whether the proposed BSS/CRM solution is intended solely to support wholesale business operations (e.g., Service Providers, ISPs, Telecom Operators, Government entities) or whether support for retail subscribers, retail billing, customer self-care, and retail service management is also envisaged as part of the current or planned scope. Additionally, please indicate the expected customer volumes and growth projections to be considered for solution sizing and capacity planning.	The proposed BSS/CRM solution is intended solely to support wholesale business operations (e.g., Service Providers, ISPs, Telecom Operators, Government entities) further for FTTX customer, all the data should be integrated through API. Expected customer volume of 50000 over the period of 10 years
4 9	XXXII. Network Manage ment System (NMS) – Technic al Specific ations	491	BSS (General), CRM (General), Integration Requirements	Please confirm whether migration of data from existing operational systems forms part of the project scope. If applicable, kindly provide details of the source systems, data domains (e.g., customers, services, inventory, contracts, tickets, billing records, historical transactions), expected data volumes, and data quality considerations to be addressed during migration.	Successful Bidder shall take the handover of the existing system as is where is basis as per NOC delivery timeline, it is bidder's responsibility to migrate the existing system to new single platform for better monitoring performance parameter of

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					existing and new network devices.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
50	Financial Turn Over (In Cr) For Lead Bidder and /or Consortium Partner	a) For the cases of (Lead with one Consortium) 4700 Cr (Min 2350 Cr of Lead bidder However, the other members of the consortium should have minimum Rs. 400 Cr average annual turnover during last 3 financial years) b) For the cases of (Lead with two Consortium) 4700 Cr (Min 1900 Cr of Lead bidder However, the other members of the	We request the authority to consider reducing the minimum average annual turnover requirement for consortium partners from ₹400 Cr to ₹200 Cr during the last 3 financial years.	The lead bidder is already required to meet a substantial turnover criterion (₹2,350 Cr / ₹1,900 Cr), ensuring adequate financial strength and project execution capability. Consortium partners are typically engaged for specialized technology, domain expertise, or niche services and may not necessarily possess very high turnover figures. Reducing the consortium partner turnover requirement to ₹200 Cr will encourage wider participation of competent OEMs and technology partners, enhance competition, and provide the authority with a broader range of technically qualified solutions without compromising project delivery capability.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
		consortium should have minimum Rs. 400 Cr average annual turnover during last 3 financial years)			

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 1	For Active Equipm ent's Experien ce (Numbe rs)	1,000 Numbers	We request the authority to amend the experience criteria from 1,000 Active Network Equipment to 3,000 Active Network Equipment.	Considering the scale, complexity, integration requirements, and long-term support obligations associated with the proposed network infrastructure, prior experience of at least 3,000 active network devices would be a more appropriate benchmark for assessing technical capability and execution capacity. This revised criterion would ensure participation of experienced and competent organizations while safeguarding successful project implementation and operational reliability. Accordingly, we request the authority to revise the minimum experience requirement to 3,000 Active Network Equipment.	No change. The provision shall remain as per the RFP.
5 2	X. Remote Fibre Manage ment System (RFMS)	415	Power input Dual DC/AC (As per site availability)	we would like to seek clarification for Dual DC/AC power input as clause b under X. Remote Fibre Management System (RFMS) is asking for dual DC power input capability/provisioning. If AC is required (as per site availability) then we would request to kindly confirm the number of sites where AC power supply will be required so that we will prepare our BoM accordingly. Kindly clarify. Tender clause as below: b. The remote test unit should have 48 ports within 2U with 10W power	Dual DC power input to consider

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				consumption. Connectors to be LC or SC type. Connectors should be in the front panel of RTU preferably. RTU should have Dual DC power input capability/provisioning.	
53	X. Remote Fibre Manage ment System (RFMS)		Wavelength Supported 1650 nm, 1550 nm, 1310 nm	We would like to seeking confirmation of 1650nm OTDR as clause c under X. Remote Fibre Management System (RFMS) is asking for 1650 nm. Kindly clarify. Tender clause as below: c.The OTDR module is required of 1650 nm (used for dark and live monitoring both) and dynamic range should be 40 dB or higher. Pulse width selectable between 6ns and 20µs and better. Event dead zone: = <1 Meter. Attenuation dead zone: 4 Meters; Optical distance accuracy: $\pm(0.75 + 0.0025\% \times \text{distance} + \text{sampling resolution})$.	Please refer the updated clause in corrigendum/Master RFP, required monitoring of Live as well as dark fibers.
54	X. Remote Fibre Manage ment System (RFMS)		Optical Test Cycle Min 40 Million cycles	We would like to seek clarification for Optical Test Cycles of Min 40 Million cycles as it is very old specification and now all RFMS supports life cycle of 1 billion. So request to kindly change the value to 1 billion cycles as downgraded specification will result in entry of low end OTDRs.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
55	V. Technical Specifications of Remote Fibre Management System (RFMS):	224 of 430	c. Integrated cable Management System for Inside and outside plant. Optical Inventory Module for logical and Physical network for port-to-port connectivity, Route search and service provisioning.	Removal of clause We understand that this clause belongs to GIS vendor/OEM, as it is not a part of RFMS functionality. Therefore we request to remove this clause from RFMS/RFTS section. Same was also removed from the BSNL Tender No. MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024 in the amendment dated 08/05/2024 (Annexure_Amendments_BN-III_T791_08052024)	As per clarification sought, the RFP clause "Integrated cable Management System for Inside and outside plant. Optical Inventory Module for logical and Physical network for port-to-port connectivity, Route search and service provisioning" belongs to GIS. Bidder is liable to integrate RFMS with GIS

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 6	V. Technic al Specific ations of Remote Fibre Manage ment System (RFMS):	223 of 430	b. The remote test unit should have 48 ports within 2U with 10W power consumption. Connectors to be LC or SC type. Connectors should be in the front panel of RTU preferably. RTU should have Dual DC power input capability/provisioning. Each Nodes, about 50% ports shall be having live or active fiber monitoring facility at 24 Ports (out of 48 Ports) and 24 Ports for dark fiber monitoring. All types of telecom traffic to be considered in case of Live Fiber monitoring.	Provision of BY-PASS Filter for Live fiber monitoring in BOQ we understand that the live fiber going from the block will pass through each active Network Element at the GP Location, in this scenario to keep monitoring the same live fiber we through same port of RTU, we need to provision a BY-PASS Filter at each GP Location. Number of BYPASS used per route for live fiber monitoring will depend upon network losses +BYPASS Loss+FWDM+STOP PASS Loss We request BSNL to add the bypass filter in the RFMS SOR line item as this is required at every GP location. Same was added in the BSNL Tender No. MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024 as per the total number of GPs for each package in the amendment dated 08/05/2024 (Annexure_Amendments_BN-III_T791_08052024)	The RFP specifies the functional requirement for live fiber monitoring as well as Dark fibre monitoring at GP level/Other locations. It is the bidder's responsibility to provide all hardware, accessories, interfaces, and associated components required to achieve the specified functionality, including but not limited to bypass/FWDM/STOP PASS filters or equivalent solutions based on evaluation of existing RFMS inventory (i.e should be compatible with existing inventory) and new locations with specified details in RFP,

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					without any additional cost to GFGNL

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 7	No DR asking in Tender	No DR asking in Tender	Requested Amendment: We request the authority to include a Disaster Recovery (DR) site along with the necessary compute, storage, network, security, replication, backup, and DR management components to ensure business continuity and high availability of critical services.	The proposed project includes critical IT infrastructure components such as SNOG, Data Center, Servers, Storage Systems, Network, and Security solutions that are expected to support mission-critical applications and citizen services. In the absence of a Disaster Recovery (DR) setup, any unforeseen event such as hardware failure, cyberattack, ransomware incident, natural disaster, power outage, or site-level disruption may lead to prolonged service downtime and potential data loss. A DR infrastructure is considered an industry best practice for ensuring Business Continuity (BC) and Disaster Recovery (DR) compliance. It enables rapid restoration of services, minimizes Recovery Time Objective (RTO) and Recovery Point Objective (RPO), and ensures uninterrupted delivery of critical services to stakeholders.	No change. The provision shall remain as per the RFP.

5 8	Major big RFP and complex bid comes with two packet region bid	Major big RFP and complex bid comes with two packet region bid	We request the authority to consider allowing district-wise/region-wise participation and award of work to multiple bidders, wherein bidders may quote for one or more districts/regions based on their capability and project execution capacity.	The project is a large-scale and highly complex implementation involving multiple technology domains, including OFC laying, Fiber Network Deployment, Shelter Installation, GPON Equipment Installation & Commissioning, Active Network Devices, SNOG Setup & Operations, Data Center Infrastructure, Servers, Storage, Security Solutions, System Integration, Testing, Commissioning, and Long-Term Maintenance Support across multiple districts. Considering the extensive geographical coverage and diverse nature of activities, successful execution requires significant manpower, project management resources, logistics coordination, and technical expertise across various locations simultaneously. Allowing District-wise/Zone-wise participation and execution through multiple qualified agencies would provide the following advantages: 1. Timely Project Completion 2. Reduced Project Execution Risk: 3. Improved Resource Deployment: 4. Improved Quality and Monitoring: Considering the project's scale, complexity, and criticality, we request the authority to permit district-wise/Zone-wise bidding and award work to multiple qualified bidders to ensure	No change. The provision shall remain as per the RFP.
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				efficient implementation, risk mitigation, and timely completion of the project.	
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
59	XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP	XI	Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP	The specification mentions "Dual Rectifier with double conversion". Kindly clarify whether the requirement is for a dual rectifier with a single inverter architecture or a dual rectifier with dual inverter architecture (fully redundant system) . The requirement may please be defined clearly to avoid ambiguity and enable offering of suitable solutions. We wish to submit that a true online double conversion UPS inherently provides Automatic Voltage Regulation (AVR) and complete isolation of the load from input voltage fluctuations. Therefore, no additional voltage stabilizer is required. Provision of a separate voltage regulator/stabilizer will unnecessarily increase the system cost	Dual rectifier with a single inverter architecture to consider
60	Detailed Technical Specifications of following Network components are mentioned in Annexure-B		UPS for Villages	Please confirm the specification and the load connected with UPS in village level	Stands deleted (Section-10 >> 2 >> XI. UPS for Villages

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
6 1	177	54. Operational Visibility Platform (NMS + OSS + BSS):	The PIA shall design, supply, configure, integrate, deploy, operate and maintain an Integrated software platform for monitoring, operation, governance and utilization of the BharatNet network in the State, in accordance with the requirements of the Digital Bharat Nidhi (DBN) Amended BharatNet Program. The S-NOC solution shall comprise a tightly integrated suite of Network Management System (NMS), Operations Support System (OSS), Business Support System (BSS), Customer Relationship Management (CRM), and Helpdesk & Grievance Management modules, operating as a unified platform.	There is no specific scope mentioned for NMS solution for core network devices like ROUTER, SWITCHES MONITORING and Helpdesk solution hence please add below points	No change. The provision shall remain as per the RFP.
6 2	177	54. Operational Visibility Platform (NMS + OSS + BSS):	Additional point The solution should have Service Management Process Model in built based on ITIL v4 best practices. The proposed IT Service Management solution should be built on ITIL4 framework and must be certified by PeopleCert Platinum/Gold certificate for at least 11 processes that are relevant and need to be assessed to meet the minimum functional criteria are Incident Management, Problem Management, Change Enablement, Service Configuration Management, Service Catalog Management, Release Management, Knowledge Management, IT Asset Management, and Service Request Management. The certification copy to be submitted.	Request you to kindly add this point to provide Certified 11 process helpdesk solution	The Scope intends to maintain a fair, open, and competitive bidding environment. Therefore, compliance with the functional and technical requirements specified in the RFP shall remain as it is.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
6 3	177	54. Operational Visibility Platform (NMS + OSS + BSS):	Requested Additional point All modules of NMS solution must possess Quality certifications ISO 9001, Information security certifications ISO 27001, Application security certifications ISO 27034 and FIPS 140-2 benchmark standard. Documentary proof must be provided at the time of submission	Request you to kindly add this point so that secure NMS solution should be provided	No change.Pls refer clause 54--> VI

6 4	177	54. Operational Visibility Platform (NMS + OSS + BSS):	Additional points suggested 1. The solution should have a single CMDB across ITSM and Asset Management system. 2. The proposed IT Service Management OEM must be an industry standard, enterprise grade solution and shall be present in either Leaders or Challengers (Strong Performers / Major Players) Quadrant of Forrester / Gartner / IDC report for ITSM in the last 3 published reports. 3. The solution should have a Single Architecture and leverage a single application instance across ITIL processes, including unique data and workflows segregated by business unit, cost centre, and user role for Incident, Problem, Change, Release, Knowledge Management, Asset Management and CMDB. 4. Solution should support multi-tenancy with complete data isolation as well as with ability for analysts based on access rights to view data for one, two or more organizational units. 5. Solution should support multi-tenancy with complete data isolation as well as with ability for analysts based on access rights to view data for one, two or more organizational units. 6. The solution should provide to browse through CMDB which should offer powerful search capabilities for configuration items and services, enabling to quickly find CIs as well as their relationships to other CIs. 7. Provide option for approval engine so that any customized applications developed could incorporate the hierarchy, role based, level-based ad-hoc approval structure. Include notification and escalation capability if approval is not performed. 8. The support person can interact with the end users through chat in built and add those chat transcripts in the ticket. 9. A virtual bot should be available, which can	Kind request to add these points for Helpdesk solution	GFGNL intends to maintain a fair, open, and competitive bidding environment. Therefore, compliance with the functional and technical requirements specified in the RFP shall be considered sufficient. If bidder wants to proposed the functionality, can put without additional cost to GFGNL.
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		respond to user requests, immediate via portal, email or mobile interfaces. 10. Beyond mobile iOS and Android apps, Self Service App should be available on any device with an HTML5 browser. 11. Should provide out-of-the-box categorization, as well as routing and escalation workflows that can be triggered based on criteria such as SLA, impact, urgency, CI, location, or customer. 12. The tool should allow the user to take a screenshot of the error message and sends it to the service desk. The user can type in a couple of text lines to describe the error in simple language. The service desk agent then can pick up the ticket with the information already filled in (category, impact, and assignment). 13. The tool should have the knowledge management OOB – knowledge databases to support investigations, diagnoses, root cause analysis techniques, and creating / updating workarounds, temporary fixes and resolutions. 14. Self Service App should provide a snapshot of your day, displaying your activities feed with upcoming appointments, pending requests, unresolved issues, and alerts from systems you use in your daily work. 15. Integrates with any underlying service management including Service Desk, Change Management, Service Level Management and CMDB for request fulfilment. 16. ITSM solution must provide ready to use integration connector with industry solutions such as - WhatsApp, Jira, GitHub, Jenkins, Google Cloud, Azure DevOps, MS Teams, SAP SuccessFactors, MS Intune, Microsoft Graph, Slack, REST API, ServiceNow for any use-case. 17. The Service management platform also provides the capability for the creation of		
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		applications using low-code/no-code design studio and extend those workflows-based applications to manage any type of service. The Codeless Configuration capability allows to easily drag & wire workflows to build own applications, create service offerings etc. 18. The Service management solution should be able to provide the flexibility of licensing and deployment of multiple applications as part of the same license unit like IT Service Management, IT Asset Management, Enterprise Service Management, Project and Program Management, Application Portfolio Management, Idea and Proposal Management and capability to further & customize the fields, forms, workflows etc. 19. Solution should offer the flexibility of both concurrent and named licensing schemes. It should allow redistribution of licenses between the two schemes any number of times as per the need of the Enterprise. 20. Proposed Enterprise Service Management (ESM)ITSM solution must make itself accessible to all users, including those who have low vision, or limited ability to use a keyboard or mouse. It should include features such as Accessibility options, Keyboard Navigation and Screen Reader. 22. Proposed solution should offer ootb connector option for integration with Gmail to automatically create requests from email sent to a Gmail account to allow creation of incidents, problems, and changes. 23. Ability to extend the platform to non-IT functions such as HR, Finance and Admin without coding.		
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6 5	177	54. Operational Visibility Platform (NMS + OSS + BSS):	Additional Points suggested for NMS 1. The Network Management function must monitor performance across heterogeneous networks from one end of the enterprise to the other. 2. The solution should allow for discovery to be run on a continuous basis which tracks dynamic changes near real-time; to keep the topology always up to date. This discovery should run at a low overhead, incrementally discovering devices and interfaces. 3. NMS should provide integrated fault, performance Monitoring, Configuration & compliance Management together in one tool. 4. NMS should support Industry-leading support for physical, virtual, and SDN-enabled devices like Cisco ACI, VMWare NSX, Viptela, etc. 3. NMS should provide network Trap Analytics out of the box. 4. The proposed NMS solution must provide a common CMDB that must have a single solution for discovery of networks devices, servers & desktops. The solution must provide a deeper network discovery & an integrated network topology with more than 250 OEM makes and 3500 device models support for detailed Layer-2 discovery of physical and virtual networking components, including SDN, SDWAN, firewall, and wireless. It should have a wider protocol support such as SNMP, SNMPv3, REST (API Key), Cert Based Authentication, NETCONF, SOAP, HTTP, SSH. Vendor devices make and model support Matrix document to be submitted for reference 5. Diagnostic Analytics providing change-Correlated Performance Views and should show the difference either in either a side-by-side, or line-by-line presentation 6. NMS should support 3-Dimensional Compliance	Kind request you to add these points for NMS solution	Please refer the updated clause in corrigendum/Master RFP in "XXXII. Network Management System (NMS) – Technical Specifications".
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		Model - Configuration, Software, Running State 7. The proposed solution shall be in the present either as Value Leader or Strong Value player under EMA Radar Report for Network Operations Observability in the latest published report. 8. It should support various discovery protocols to perform automatic discovery of all L2, L3 Network devices across SWAN and any further Network connectivity's planned in future. 9. The tool shall be able to discover IPv4 only, IPv6 only as well as devices in dual stack. In case of dual stack devices, the system shall be able to discover and show both IPv4 and IPv6 IP addresses. 10. The tool shall be able to work on SNMP V-1, V-2c & V-3 based on the SNMP version supported by the device. It shall provide an option to discover and manage the devices/elements based on SNMP as well as ICMP. 11. The proposed Network Fault Management solution must support extensive discovery mechanisms and must easily discover new devices using mechanisms such as SNMP Trap based discovery. It must also allow for inclusion and exclusion list of IP address or devices from such discovery mechanisms 12. The proposed solution must provide a detailed asset report, organized by vendor name, device type, listing all ports for all devices. The Solution must provide reports to identify unused/dormant Network ports in order to facilitate capacity planning 13. It should monitor the IP multicast services and provides fault alerts to operators as well as a graphical representation of the multicast flows. 14. It must expand the monitoring capabilities and device coverage and visibility using REST APIs for device communications, including with Cisco Meraki, and F5 load balancers.		
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		15. Proposed NMS solution must provide by default deep firewall monitoring by discovering and monitoring of site-to-site VPN tunnels. It also collects data for the firewall connection metrics and allows to set the threshold for the number of connections dropped and the number of active connections and get an alert when it violates the threshold. 16. The system should be able to clearly identify configuration changes / policy violations / inventory changes across multi-vendor network tool. 17. The system should support secure device configuration capture and upload and thereby detect inconsistent “running” and “start-up” configurations and alert the administrators. 18. The proposed system should be able to administer configuration changes to network elements by providing toolkits to automate the following administrative tasks of effecting configuration changes to network elements: a) Capture running configuration; b) Capture start-up configuration; c) Upload configuration; d) Write start-up configuration; e) Upload firmware 19. The proposed fault management solution must be able to perform “load & merge” configuration changes to multiple network devices and must be able to perform real-time or scheduled capture of device configurations. 20. The solution should offer comprehensive insights into device and policy compliance, offering both current and historical perspectives. The reports like List of Non-Compliant Devices, List of Non-Compliant Policies, Summary of Non-Compliances by Rules, Summary of Non-Compliant Devices over Time etc. 21. It shall support compliance reports include best-practice standards such as from Information		
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		Technology Infrastructure Library (ITIL), Payment Card Industry (PCI) Data Security Standard, Health Insurance Portability and Accountability Act (HIPAA), Sarbanes-Oxley Act (SOX), and Gramm-Leach-Bliley Act, to help apply these best practices as part of their IT processes in the network environments. 22. NMS should provide unifies incident information, detailed performance troubleshooting data, and change data for configurations and running state diagnostics all in a single operational dashboard. 23. It must support Out-of-the-box orchestration content provides a maintained library of more than 1000+ operations workflows to automated tasks reducing error and time for IT operations by detected network monitoring incidents, compliance violations, or scheduled automation tasks. 24. The solution should offer comprehensive insights into device and policy compliance, offering both current and historical perspectives. The reports like List of Non-Compliant Devices, List of Non-Compliant Policies, Summary of Non-Compliances by Rules, Summary of Non-Compliant Devices over Time etc. 25. The proposed solution should provide Exploit Prediction Scoring System (EPSS) for policies across network lifecycle process. This score helps to estimate the exploitation activity of all security and compliance policies in NA using the Common Vulnerabilities and Exposures (CVE) number associated with the policies. 26. Regular update of Compliance and Security content to detect and remediate vulnerabilities across landscape for OEM such as - Cisco, HPE, Checkpoint, Juniper, F5, Huawei, Palo Alto and Fortinet.		
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			27. IOS update and patching of network devices in bulk with activities such as - define minimum requirement for image (device family, boot ROM version, etc), prepare device before deployment like delete files to free up flash memory, reboot device, define compliance ratings for device.		
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6 6	Scope of work	The tender combines OFC Network Construction, Fiber Maintenance, Active Equipment Deployment, and S-NOC Establishment & Operations under a single implementation agency.	We request the authority to consider separating the OFC Infrastructure/Fiber Network implementation and maintenance scope from the S-NOC Establishment & Managed Operations scope, or alternatively allow specialized consortium partners for each domain with clearly defined responsibilities and SLA ownership.	Both domains require completely different expertise, manpower structures, tools, OEM certifications, and operational processes. Combining both responsibilities under a single agency may lead to the following challenges: Difficulty in identifying the root cause of SLA violations. Delays in fault resolution due to dependency between field fiber teams and NOC teams. Increased operational complexity and accountability issues. Limited participation of specialized network management and NOC operators. Risk of compromised service quality due to diverse and highly specialized scope requirements. Challenges in maintaining stringent uptime commitments across a statewide network. Industry best practices for large telecom and broadband projects generally separate passive infrastructure management from centralized NOC/SOC operations, enabling clear accountability, specialized expertise, and better SLA governance. Therefore, it is requested that the authority consider separate implementation packages or permit specialized consortium partners with	Pls refer revision for S-NOC implementation timeline.
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				clearly defined SLA ownership for OFC infrastructure and S-NOC operations. This approach will improve operational efficiency, ensure better service quality, enhance accountability, and facilitate successful project execution throughout the contract period.	
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
6 7	Scope of work	The successful bidder is required to integrate and utilize the existing S-NOC/Data Center infrastructure as part of the unified BharatNet Phase-I, Phase-II, and Phase-III network.	We request the authority to clarify whether the existing S-NOC/Data Center infrastructure, including Servers, Storage, Network, Security, Monitoring, and related ICT components, has been assessed for OEM support validity, End-of-Sale (EOS), End-of-Support (EOL), and compatibility with the proposed BharatNet Phase-III architecture. Further, we request that bidders be allowed to propose new NOC/DC infrastructure wherever the existing infrastructure is EOS/EOL, unsupported by OEM, or technically incompatible with the proposed IP-MPLS-based unified network architecture.	If existing NOC/DC components are already under EOS/EOL status or are no longer supported by the OEM, integration with newly proposed technologies may create significant challenges, including: 1. Lack of OEM technical support, software updates, security patches, and hardware spares. 2. Compatibility issues with new-generation IP-MPLS, network management, monitoring, automation, and security platforms. 3. Increased operational and cyber-security risks due to unsupported hardware and software. 4. Difficulty in achieving the prescribed network uptime and SLA requirements throughout the contract period. 5. Higher maintenance costs and prolonged service restoration timelines due to non-availability of replacement parts. 6. Risk of project delays arising from unforeseen interoperability and migration issues during integration. Considering that the project includes a long-term O&M period and aims to establish a future-ready statewide broadband infrastructure, it is requested that the authority permit replacement	There are three parts of SNOG Infra 1. Passive Infra mentioned in Annexure: Furniture, terminals, Videowall and UPS shall not have compatibility issue. 2. Active Infra: existing 100TB of Server/storage, Switch and firewall are separately taken care for AMC. ABP PIA need not to take care of AMC for the same. 3. SW like NMS, EMS and GIS: ABP PIA to manage the same till the replacement with new technologies. 4. Any existing network equipment like OLT,ONT, Switches, DWDM should be managed as a part of O&M activity till the

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				This will ensure long-term sustainability, improved network reliability, enhanced security, and successful achievement of the project objectives and SLA commitments.	migration to IP-MPLS network

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
68	Section-XI.	Sr. 1/Type /Pg.420	XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP	We suggest to refer the HUPS TEC GR No. TEC 66160:2024 for this Tender with Inverter Rating 1KVA. Kindly confirm.	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.
69	Section-XI.	Sr. 1/Type /Pg.420	Online for GR 66140:2019 or latest updates without any Hybrid functionality	We suggest to refer the HUPS TEC GR No. TEC 66160:2024 for this Tender with Inverter Rating 500VA. Referring to this solution eliminates the need for OEMs to obtain multiple TSECs for HUPS. We have valid TSEC as per TEC GR No. TEC 66160:2024 with Inverter Rating 500VA for BSNL BharatNet Phase-III project. Kindly confirm	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.
70	Section-XI.	Sr. 7/Electrical Safety/Pg.420	XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP	Please confirm the electrical safety requirements, particularly regarding isolation. In a similar solution (e.g., Bharatnet Phase III), isolation has been provided in the DC mode of the inverter, while no isolation is given in static bypass mode. Kindly clarify if the same approach is to be followed—i.e., whether isolation is required only in DC mode, or in both DC mode and inverter static bypass mode?	No change. The provision shall remain as per the RFP, Isolation transformer for Source isolation

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
7 1	Section- XI.	Pg.422	Note:3 For monitoring major parameters including Input & Output Voltages, Inside & Outside Temperature, Alarms, % battery back up time left. The monitoring should be possible from SNOC/ Central NOC in real time. Delay in any alarm incident will invite the penalty. For example, for any instance on delay in alarm will be penalized with 0.2% of quarterly O&M billing amount and this will be over and above the maximum O&M cap limit of the O&M billing amount.	Need to clarify ,why Inside & Outside Temperature required in UPS Body.It should be part of Rack at GP for monitoring .	Kindly read the modified clause as "For monitoring major parameters including Input & Output Voltages, Inside Temperature, Alarms, % battery back up time left."
7 2	Section- XIV	Rack at GP Locations/Sr.2 /Pg.426	Dimension:Height =24U standard (approx. 2000–2050 mm external height) Width=600 mm or 800 mm depending on cable volume Depth=1000–1200 mm (choose based on server/storage depth)	Kindly provide the Cable Volume & server/storage depth & also provide the equipment details which are accommodate inside Rack as GP.	Refer the updated clause in specification. However, the Cable and equipment details are part of "Design, Construction, Supply, Implementation, Testing & Commissioning and Operation & Management" Model of RFP
7 3	Section- XIV	Rack at GP Locations/Sr.1 0/Pg. 426	Misc.:As per site requirement with provision for minimum 20% additional space for future expansion.	Kindly provide the all installed equipment details which are accommodate inside Rack as GP so that sizing can done.	It is "Design, Construction, Supply, Implementation, Testing & Commissioning and

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					Operation & Management" Model of RFP including existing network HoTo
7 4	Section- XIV	Rack at GP Locations/Sr.1 6/ Pg. 427	Frame Material:Zinc magnesium coating or GI Material with duly powder coated with UV Resistant pure polyester with 25mm system punching in the roof and base frame plus vertical sections with two mounting levels, rolled out of a single sheet.	We suggest to refer to the previous BSNL Bharatnet Tender T-852, it was clarified that: '25 mm system punching is optional provided all the planned equipment can be I3148 fitted in the rack I3155' Kindly confirm if the same is applicable in this tender.	It is optional, however bidder has to ensure quality as per given specificatons.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
7 5	Section- XIV	Rack at GP Locations/Sr.1 7/ Pg. 427	Enclosure Flat parts material: Galvanized sheet steel 1.5mm / 2 mm thick of 120 GSM / Front single door with 4-point locking system and rear panel bolttable from inside in single-walled construction with door stay, Side panels left and right in single-walled construction bolttable from inside, Rain canopy of 75mm height with projection all around, with 300 mm base plinth of 3mm thick, The enclosure Flat parts to be gasketed with Outdoor Polyurethane foam gasket, the fasteners will be of SS 304 grade suitable for outdoor application. Note: Principle requirement is to secure the devices inside the rack with lock and without damaging from the external factors.	We suggest to refer to the previous BSNL Bharatnet Tender T-852, it was clarified that: 'All the door, side and rear panels may be individually constructed out of separate single sheets.' Kindly confirm if the same is applicable in this tender.	Clause is self explanatory
7 6	Section- XIV	Rack at GP Locations/Sr.8 / Pg. 426		Kindly confirm the scope and specification of the patch panel and fabrication stand. Specifically, should the minimum height be 600 mm above the floor level?	Kindly read the modified clause as "Scope of patch panel is for the routing of patchcords and cables. Rack should be minimum 200 mm above the ground level. The Bidder may provide fabricated stand or inbuilt base stand."

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
7 7	Section- XI.	Sr. 23/UPS Body/ Pg. 421	As per Tender “ Technical Specification for UPS at GR” for UPS Body it is mentioned “Metal with one unibody design includes UPS and Battery Bank with grouted on floor with anti-theft mechanism”	1. If any servicing or maintenance is required on Battery we have to replace complete unit, as battery cannot be repaired at site. 2. Since Lib battery are of higher energy density , we recommend to ship the Battery separately from UPS. We suggest that both units i.e UPS and LiB Battery should be separate and connected at site. Since GR is separate for LiB as well as UPS , hence single unit with both UPS & LiB we propose to put both in same rack with digital locking provision.	No change. The provision shall remain as per the RFP, and the bidder may design as per O&M ease.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
7 8		Clause 5.12 – Scope of Work for BSNL Exchange / Shelter and related O&M provisions/ Pg. 154	The tender includes deployment, upgradation and long-term O&M of telecom shelter infrastructure including more than 400 existing BharatNet shelters along with associated telecom power systems and environmental support infrastructure.	It is submitted that for proper interoperability, maintainability and long-term O&M support of telecom shelter infrastructure, the proposed Shelter OEM declaration/MAF should clearly specify the Battery Bank and SMPS make/model details proposed under the project. Telecom SMPS and Battery Bank systems deployed in telecom shelters generally require proper compatibility and coordination with shelter infrastructure for ensuring charging efficiency, thermal stability, load handling, maintenance accessibility, cable routing and long-term backup performance during network operations. Further, telecom power systems are normally integrated with monitoring/alarm systems for rectifier faults, battery health, mains failure, temperature alerts and DC system performance during long-term O&M operations. Considering that the project involves approximately 10 years O&M responsibilities together with stringent network uptime obligations, use of technically proven and reputed SMPS systems becomes important for better shelter efficiency, stable DC performance, alarm integration reliability and long-term operation of telecom shelter infrastructure. In this regard, kindly clarify whether Shelter	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision in Annexure-XX(MAF Required List)

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				OEM MAF/authorization is being obtained under the project, as the same becomes important for ensuring proper coordination, compatibility and integrated long-term support between shelter infrastructure and telecom power systems during the complete O&M period. Further, kindly clarify whether the proposed shelter infrastructure declaration/MAF shall specify Battery Bank and SMPS make/model details for ensuring interoperability, coordinated maintenance support and long-term maintainability during the O&M period.	

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
7 9	Appendix # A	#Table-02 For Lead Bidder and Consortium	SI No - A - Financial Turn Over (In Cr) For Lead Bidder and /or Consortium Partner a) For the cases of (Lead with one Consortium) 4700 Cr (Min 2350 Cr of Lead bidder However, the other members of the consortium should have minimum Rs. 400 Cr average annual turnover during last 3 financial years) b) For the cases of (Lead with two Consortium) 4700 Cr (Min 1900 Cr of Lead bidder However, the other members of the consortium should have minimum Rs. 400 Cr average annual turnover during last 3 financial years)	Consortium Turnover of Rs.400 Cr - Is it individual turnover of each Consortium member or combined turnover of both the consortium members? Pl confirm.	The clause is applicable for each consortium member and not for combined in any case.

80	SECTION -3 ELIGIBILITY CRITERIA	3.1.3	Point No - 3 Experience - The Sole or lead bidder (in case of consortium) or any one consortium member should have demonstrable experience with following in last 10 Years, as on this bid submission date: i) For Optical Fibre: a) The Sole or lead bidder (in case of consortium) or any one consortium member/s should have experience / Technical Capacity of having executed EPC OFC Network Construction project consisting of 24 or more core Under Ground OFC (to be calculated as per formula defined below) in the last 10 years (from bid submission date) within India, for at least as per table details mentioned in Appendix # A • The EPC OFC Construction project execution shall consist of both Supply of all material and Construction of OFC Network,i.e., For underground (UG) activities, experience related to individual components such as separate OFC construction activities (e.g., trenching & ducting (T&D), horizontal directional drilling (HDD)), OFC laying, ducts, etc., shall not be considered independently. Only the total executed OFC length (in km) under EPC mode shall be considered for experience evaluation AND b) For OFC O&M Experience: The bidder should have satisfactorily completed in the last 10 years (from bid submission date) within India, the O&M of any OFC network of 24 or more Core Under Ground OFC [upto 40% of the O&M requirement can also be met through O&M of 24 or more core Aerial Fiber Cables (deployed in BharatNet by BBNL or state SPV)/ADSS/ OPGW OFC, as required for EPC Network Construction capability mentioned above in (a), refer the table	For i) Optical Fiber a) clause - We request the Dept to consider EPC of Aerial OFC Network construction projects also to facilitate wider participation from competent bidders thus enhancing competitive bidding.	The bidder is advised to refer the clause in Pre-eligibility criteria section in Note-05 carefully. However, for more clarity, it is reiterated below, "If a bidder(The Sole bidder or any of the consortium members) falls short of the experience requirement through underground OFC-implementation, up to 40% of the requirement can also be met through work of 24 or more core Aerial Fiber Cables (ADSS/ OPGW) OFC (deployed in BharatNet by BBNL or state SPV)/ / TSPs, Category-A/B ISPs, IP-1, Central Government, State Government, Municipal Corporations for Smart City Projects, , PSUs for their own network."
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			details mentioned in Appendix # A AND ii) For Active Equipment's Experience: Either Experience of Telecommunication equipment installation, commissioning and O&M (or AMC /warranty) as per table details mentioned in Appendix # A The active nodes to be considered for this criterion can be IP MPLS Routers(other then FTTx/ Wi-Fi CPE), Layer-3 Switches, BNGs, PTNs/CPANs, DWDM, OLTs of 16 or more ports, and OTN. The bidder should have available capacity of having executed Installation, Commissioning and O&M of Telecom Equipment, satisfactorily in the last 10 years within India,		
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
8 1	v) FACT SHEET	12	Bid Security/ Earnest Money Deposit (EMD) Amount Payable - Rs. 50 Cr (Rupees Fifty Crore only) Note: i) As per the GoG guideline, EMD should be in the form of BG as per the GoG GR No. FD/MSM/efile/4/2023/4020/D.M.O dated 11-03-2024 or latest regarding the Acceptance of Bank Guarantee as SD and EMD.	As in all the latest ABP tenders Insurance Surety bonds are also accepted towards EMD, we request the Dept. to include the same in this tender too so that it reduces the financial burden of blocking working capital of the bidders.	Refer the RFP Clause-4.2 Note-3 in section 4, Insurance Surety Bonds are also accepted
8 2	SECTION -10	SPECIAL TECHNICAL CONDITION/ XIII. Free Space Optics (FSO) / Light fidelity (Li-Fi) POINT NO. 2/ Page. 425	Distance support : For 10Gbps : Upto 5Km For 1Gbps : Upto 10Km	NAVTECH REQUEST TO ADD FOLLOWING FOUR (4) PRODUCTS IN SPECIFICATIONS AS BELOW: 1) 1Gbps/5kMS 2) 1Gbps/10KMS 3)10Gbps/3KMS 4)10Gbps/5KMS	FSO Specifications are already in the RFP with distance support >> For 10Gbps : Upto 5Km, For 1Gbps : Upto 10Km
8 3	SECTION -8	FINANCIAL BiD DETAIL/ 8.1 SCHEDULE OF REQUIREMEN T (SOR)- Point NO.16.3/ Pg. 301	SITC(Supply,Installation,Testing andCommissioning) and acceptance of point to point Li-Fi / FSO link of 1G Capacity including tower/pole/mast/ RTT earthing cable, lightening arrester, clamps/fixtures, optical /cat-6 patch cord & electrical cables etc	In SOR, only 1G FSO PRODUCT REQUIREMENT IS GIVEN NAVTECH REQUEST TO ADD LINE ITEM OF ALL 4 FSO PRODUCTS AS BELOW: 1) 1Gbps/5kMS 2) 1Gbps/10KMS 3)10Gbps/3KMS 4)10Gbps/5KMS	Please refer the updated clause in corrigendum/Maste r RFP

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
84	SECTION -8	FINANCIAL BID DETAIL / 8.3 FINANCIAL BID DETAILS Point NO.28	SITC(Supply,Installation,Testing andCommissioning) and acceptance of point to point Li-Fi / FSO link of 1G Capacity including tower/pole/mast/ RTT earthing cable, lightening arrester, clamps/fixtures, optical /cat-6 patch cord & electrical cables etc	In BOQ, rates are asked only for 1G FSO. NAVTECH REQUEST TO ADD LINE ITEM OF ALL 4 FSO PRODUCTS AS BELOW: 1) 1Gbps/5kMS 2) 1Gbps/10KMS 3)10Gbps/3KMS 4)10Gbps/5KMS	Please refer the updated clause in corrigendum/Maste r RFP
85	SECTION -10	SPECIAL TECHNICAL CONDITION/ XIII. Free Space Optics (FSO) / Light fidelity (Li-Fi) POINT NO. 1/ Pg. 425	785 - 1550nm	1550nm	It is Operating Optical Wavelength range >> 785 - 1550nm as specified in the RFP
86	SECTION -10	SPECIAL TECHNICAL CONDITION/ XIII. Free Space Optics (FSO) / Light fidelity (Li-Fi) POINT NO. 6/ Pg. 425	System must provide alarm and control capabilities via SNMP traps/MIB File/IP-Firmware/IP monitoring, Spatial stabilization system (auto tracking), Full duplex	UDP supporting software; SNMP alrams; SNMP supported version 3	Pls read RFP clause "System must provide alarm and control capabilities via SNMP traps/MIB File/IP-Firmware/IP monitoring or equivalent standards, Spatial stabilization system (auto tracking), Full duplex"

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
8 7	Section 3 - Eligibilit y Criteria	3.1 PRE- QUALIFICATIO N CRITERIA	10. An ISP/ TSP license holder for Gujarat LSA shall be ineligible to participate.	The intent of this clause appears to be to prevent participation of entities that directly compete with BSNL as Telecom Service Providers (TSPs). However, the present tender has been floated by an SPV and is not in direct competition with TSPs or ISPs. As such, the clause unnecessarily restricts participation of major Public Sector Undertakings and telecom infrastructure providers such as RailTel and other established telecom entities, thereby limiting competition and reducing the pool of qualified bidders. <u>Our Ask:</u> Removal if ISP/TSP Cluase for healthy competition. OR It is requested that the restriction, if considered necessary, be applicable only to the Lead Bidder. Further, the Lead Bidder should be permitted to utilize the technical and financial credentials of consortium membe having ISP/TSP Licennse in Gujarat LSA), subject to an undertaking that neither the Lead Bidder nor the consortium members shall undertake ISP-related services within the State of Gujarat during the period of the contract, as may be required under the tender conditions.	No Change. The provision shall remain as specified in the RFP, as it is based on requirements mandated by DBN at the national level under the ABP framework.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
8 8	Section 3 - Eligibilit y Criteria	3.1 PRE- QUALIFICATIO N CRITERIA	The tender stipulates that a bidder should not have, directly or indirectly, more than 50% ownership, shareholding, management control, or beneficial interest in an organization holding a TSP/ISP License in Gujarat LSA.	The intent of the provision appears to be limited to preventing participation by entities having more than 50% direct or indirect stake/control in a TSP/ISP licensee operating in Gujarat LSA. Therefore, where the bidder itself is not a TSP/ISP license holder, the presence of such a license with a subsidiary, associate, or group company should not be construed as a disqualification unless the bidder falls within the specific >50% ownership/control criteria set out in the tender. Kindly confirm that this interpretation is correct.	No change. The provision shall remain as per the RFP.

8 9	Section 3 - Eligibility Criteria	3.1 PRE- QUALIFICATION CRITERIA	2.1 The Sole Bidder and In case of Consortium (combined turnover of lead bidder and Consortium member/s) should have an average annual turnover of at least following values in last three (3) audited financial years FY 2022-23, FY 2023-24, and FY 2024-25 or FY 2023-24, FY 2024-25, and FY 2025-26(non-audited may allowed) as per table details mentioned in Appendix # A The Sole Bidder and Bidder in case of consortium(Lead and consortium) should be in the business of OFC Business or Telecom or EPC in underground utility (OFC or Power or Pipeline or GAS or other utility). Note: 1. Turnover considered would be a consolidated turnover of the company i.e. A parent Company can use the turnover of its subsidiaries (50% and above holding) but a child company cannot use parent company's turnover. However, both the company should have same domain experience. 2. Net Worth: Minimum Net Worth required for a Bidder shall be positive 470 Cr at the close of the preceding financial year or subsequent to that. Note: In case of Consortium, each member of the consortium should have positive Net Worth. All the consortium partners can meet the Net worth criteria cumulatively.	2.1 The Sole Bidder and In case of Consortium (combined turnover of lead bidder and Consortium member/s) should have an average annual turnover of at least following values in last three (3) audited financial years FY 2022-23, FY 2023-24, and FY 2024-25 or FY 2023-24, FY 2024-25, and FY 2025-26 (Audited). a) For the cases of (Lead with one Consortium) 1525 Cr 4700 Cr (Min 2350 Cr Min. 900 Cr. of Lead bidder However, the other members of the consortium should have minimum Rs. 100 Cr. Rs. 400 Cr average annual turnover during last 3 financial years). b) For the cases of (Lead with two Consortium) 1525 Cr. 4700 Cr (Min 1900 Cr Min. 640 Cr. of Lead bidder However, the other members of the consortium should have minimum Rs. 100 Cr. Rs. 400 Cr average annual turnover during last 3 financial years). OR The Sole Bidder and In case of Consortium (combined turnover of lead bidder and Consortium member/s) should have an average annual turnover as per Tender in last three (3) audited financial years FY 2024-25, FY 25-2026 And FY 2026-27 (Un-audited may allowed). Our Ask : 1. Annual turnover should be Rs. 1525 crore Cumulative & Un-audited	No change. The provision shall remain as per the RFP.
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				turnover for FY-2026-27 may allowed. 2. Consortium Turnover min. to be Rs. 100 crore. 3. Networth to be Rs. 250 Crore. 4. In addition for Turnover & Networth FY 2024-25, FY 25-2026 And FY 2026-27 (Un-audited) may allowed.	
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90	Section 3 - Eligibility Criteria	3.1 PRE-QUALIFICATION CRITERIA	The Sole or lead bidder (in case of consortium) or any one consortium member should have demonstrable experience with following in last 10 Years, as on this bid submission date: i) For Optical Fibre: a) The Sole or lead bidder (in case of consortium) or any one consortium member/s should have experience / Technical Capacity of having executed EPC OFC Network Construction project consisting of 24 or more core Under Ground OFC (to be calculated as per formula defined below) in the last 10 years (from bid submission date) within India, for at least as per table details mentioned in Appendix # A • The EPC OFC Construction project execution shall consist of both Supply of all material and Construction of OFC Network,i.e., For underground (UG) activities, experience related to individual components such as separate OFC construction activities (e.g., trenching & ducting (T&D), horizontal directional drilling (HDD)), OFC laying, ducts, etc., shall not be considered independently. Only the total executed OFC length (in km) under EPC mode shall be considered for experience evaluation AND ii) b) For OFC O&M Experience: iii) ii) The bidder should have satisfactorily completed in the last 10 years (from bid submission date) within India, the O&M of any OFC network of 24 or more Core Under Ground OFC [upto 40% of the O&M requirement can also be met through O&M of 24 or more core Aerial Fiber Cables (deployed in BharatNet by BBNL or state SPV)/ ADSS/ OPGW OFC, as required for EPC Network Construction capability mentioned above in (a),	i) For Optical Fibre: a) The Sole or lead bidder (in case of consortium) or any one consortium member/s should have experience / Technical Capacity of having executed EPC OFC Network Construction project consisting of 24 or more core Under Ground OFC (to be calculated as per formula defined below) in the last 10 years (from bid submission date) within India, for at least as per table details mentioned in Appendix # A Having 12,000 Kms experience in multiple orders -or Rs. 500 Cr. (Total Min. 6000 Km or Rs.250 Cr. experience from atleast one consortium partner) Or Two(2) Orders/Organization Work, each having 15,000Km or Rs. 600 Cr. (Total Min. 7500 Km or 300 Cr. experience from atleast one consortium partner) Or One(1) Order/Organization Work, each having 25,000Km or Rs. 1000 Cr. (Total Min. 12500 Km or Rs. 500 Cr experience from atleast one consortium partner) (ii) For Active Equipment's Experience: Either Experience of Telecommunication equipment installation, commissioning and O&M (or AMC /warranty) as per table details mentioned in Appendix # A The active nodes to be considered for this criterion can be IP MPLS Routers(other then FTTx/Wi-Fi CPE),	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision
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		refer the table details mentioned in Appendix # A AND ii) For Active Equipment's Experience: Either Experience of Telecommunication equipment installation, commissioning and O&M (or AMC /warranty) as per table details mentioned in Appendix # A The active nodes to be considered for this criterion can be IP MPLS Routers(other then FTTx/Wi-Fi CPE), Layer-3 Switches, BNGs, PTNs/CPANs, DWDM, OLTs of 16 or more ports, and OTN. The bidder should have available capacity of having executed Installation, Commissioning and O&M of Telecom Equipment, satisfactorily in the last 10 years within India, AND iii) Offered Product (OEM) NMS Experience: Deployment and maintaining of NMS including Helpdesk-Ticketing solution as a bundle, with Minimum 3 projects comprising of both each catering to managing minimum 12,000 network devices during last 7 years. OR Minimum 2 projects each catering to minimum 15,000 devices during last 7 years Or Minimum 1 projects each catering to minimum 24,000 devices during last 7 years Definition: Network devices will be same as mentioned above in active devices experiences.	Layer-3 Switches, BNGs, PTNs/CPANs, DWDM, OLTs of 16 or more ports, and OTN and Enode-B . The bidder should have available capacity of having executed Installation, Commissioning and O&M of Telecom Equipment, satisfactorily in the last 10 years within India. Our Ask - 1.The minimum EPC experience requirement may be reduced to 12,000 Km to facilitate broader participation. 2. The requirement of O&M/AMC/Warranty experience may be removed. 3.eNodeB should be explicitly included as qualifying active telecom equipment.	
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
9 1	V) FACT SHEET	FACT SHEET	Bid Security/ Earnest Money Deposit (EMD) Amount Payable- Rs. 50 Cr (Rupees Fifty Crore only)	The Earnest Money Deposit (EMD) requirement may kindly be revised to Rs. 10 Crore. The current EMD amount appears to be on the higher side.	No change. The provision shall remain as per the RFP.
9 2	Paymen t Terms	Relevant Clause	Payment Milestones	Request detailed payment milestones for EPC, Active Equipment Supply, NMS, Integration and O&M components separately.	No change. The provision shall remain as per the RFP.
9 3	Existing O&M	Scope of Work	Network Availability Baseline	Kindly provide existing network uptime statistics, fault history and current O&M baseline data for accurate bid estimation.	As per the trend of existing NW uptime of PH-II is 95% average. For Ph-I NW uptime is averaging around 75% however new agency has been onboarded so improvement shall be observed in 2 to 3 months.
9 4	Section 9	9.16	Format XVI - MAF/OEM Authorization	MAF should be allowed from Consortium Partner in addition to Lead Bidder.	No change. The provision shall remain as per the RFP.
9 5	Section 4	4.58	LIQUIDATED DAMAGES (LD)	LD Capping is not mentioned in the tender RFP, which should be 10% as per previous tender of bharatnet, please clarify.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
9 6	3	3.1 (4)	(Page-39) The offered Make-Model for Block Router and GP Routers can be from same OEM or different OEM. However, the same or its earlier version should have been supplied for minimum 30% of required quantities for each relevant line item under the financial bid Line Items 4(a), 4(b), and 4(c)." In case of Class-I & Class-II local suppliers (as per prevalent DPIIT, GoI guidelines mentioned in tender), the offered Make-Model for each Block Router and each GP Routers or its earlier version should have been supplied for minimum 10% of required quantities.	We understand that the applications to be delivered in Rural Area under the present GFGNL tender is similar to BSNL's Bharatnet Tender. In Bharatnet Tender by BSNL for 16 circles for the procurement of 1.5 Lakhs Routers, the supply experience was kept 10% of the required quantity subject to maximum capping of 600 routers for class-I and class-II suppliers, as Eligibility Criteria. Kindly consider to keep the supply Criteria capped @600 router's in line with BSNL BharatNet Central RFP, for Class-I/II suppliers to increase participation in the bidding process and to promote healthy competition.	No change. The provision shall remain as per the RFP.
9 7	10	Bl.1.d	(Page-399) Network must support next generation architecture to support future technologies like 5G, 6G etc	We understand that 6 G is yet to be rolled out in the nation & the OEM's have already obtained TSEC certificate as per the standard clauses of BSNL Bharatnet tender. Please Consider the condition as-Network must support next generation architecture to support future technologies like 5G, etc., as per Bharatnet Tender of BSNL.	As per clarification sought

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
9 8	10	Bl.1.p	(Page-399) Interoperability between OEM for non-vendor locking should be supported at all nodes. Proposed technology partner / OEM for active infra to provide an undertaking to take responsibility of ensuring interoperability with other vendors. Interoperability between OEM should be supported over standard ITU-T, ETSI and IETF defined protocols.	IP MPLS Router protocol stacks are developed as per various International Standards by all OEMs and hence, Interoperability is a basic requirement to be met and shall be asked. Hence, standards over ITU-T, ETSI and IETF defined protocols need not be specified. Requested to keep the clause in line with BharatNet Tenders by BSNL.	No change. The provision shall remain as per the RFP.
9 9	10	Bl.1.z	(Page-400) To avoid single point of failure (SPOF) at GP, hardware redundancy shall be ensured in such a way that the failure of one line (WAN) port shall not impact the service on the redundant line (WAN) port at the same time with either interface card level or port level or box level redundancy in GP level router.	We understand that the requirement is not in line with the Technical specifications of the asked routers. The asked features are not supported in Type-XV routers as per GR 48050:2024. Please specify which types of routers are required-Modular Chassis based with Module level redundancy or 1+1 Pizza box.	It is the functional requirement which need to achieve with Category XV router as per TEC GR standards and as specified in the technical specifications of GP router only.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 0 0	10	BII-2	(Page-402) GP Routers shall be of two configuration: (1) Type C-(GP where Childring parented) Router should support switching capacity of minimum 80 Gbps. The router should be enabled on day 1 with the following configuration: a. 4 ports of 10G (with 40km pluggable) b. 4 port 1/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) c. 4 port electrical 1G ethernet (RJ45 without SFP) (2) Type D (GP to GP Ring) Router should support switching capacity of minimum 40 Gbps. The router should be enabled on day 1 with the following configuration: a. 2 port of 10G (with 40km pluggable) b. 2 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) c. 4 port 1G electrical RJ45(Without SFP)	Instead of 4 Ports of GE(RJ-45 without SFP) in Type-C & D routers, kindly consider to allow 4*1G ports with SFP as per last mile requirement of the customer, either with Elctrical or Optical SFPs. This will be in line with the BSNL's Bharatnet Tender according to which routers have been developed by the OEMs & TSEC has already been obtained accordingly in line with BSNL BharatNet Central RFP.	Pls read the modified RFP clause as "4 port 1G (with 10km Optical or Electrical pluggable/SFP)" instead of "4 port electrical 1G ethernet (RJ45 without SFP)" for Type-C and "4 port 1G electrical RJ45(Without SFP)" for Type-D routers specifications
1 0 1	10	BII-5	(Page-403) Single eMS of adequate capacity is to be supplied for all routers in the State. eMS will be as per Section above of TEC- GR 48050:2022 dated on March 2022 or its latest version.	In BSNL Bharatnet Tender, the EMS was as per Section 3.22 of TEC-GR 48050: 2024. Please consider the EMS clause in line with BSNL's BharatNet Central RFP.	It is the same RFP clause inline with central BSNL BharatNet tender.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 0 2	10	BII-20	(Page-406) PQC(Post Quantum Cryptography)- Quantum Safe feature support	Quantum Safe Cryptography support is not a mandatory requirement in the BSNL BharatNet Tenders-published by other circles. Please consider to remove this clause to maintain uniformity with BharatNet Tenders and to uphold the TSEC certificate, already obtained by the OEMs.	The relevant clause has been revised/removed. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision
1 0 3	10	B-III	EMS (Page: 407-409)	Please consider to keep the EMS as per Section 3.22 of GR 48050:2024 or latest- which satisfies the operational requirement of the Network and consider to drop the EMS Sub clauses from Serial No. 1 to 21 to maintain uniformity with BSNL's BharatNet tender.	No change. The provision shall remain as per the RFP.
1 0 4	10	B-IX	(Page-414) Technical Specifications for CPE (customer premise equipment) L2 manageable switch – 24 ports		There is no any clarification asked
1 0 5	10	2	(Page-414) No. of Ports: 24 ports of 10/100/1000 BaseT (out of 24 ports, 12 ports should be PoE supported with PoE power support of minimum 80W) and 2 Uplink ports of 1GE (10/100/1000Mbps) with RJ45 without SFP and with sperate optical SFP	Please consider all up link ports as 1 GE SFP ports, they can be used either as electrical or optical by selecting the Electrical or Optical SFPs as per the actual field requirement.	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 0 6	10	8	(Page-414) Safety standard: UL / IEC / MTCTE and NSDTS* certified	i) We understand that if the make and model of the offered Switch is MTCTE certified, UL/IEC certifications are not mandatory. ii) Please consider to modify the Clause for MTCTE as- the bidders who have applied for MTCTE certificate for the offered model of Switch on the bid submission date, shall be eligible to bid. They must submit the proof of applied status of MTCTE certificate along with the bid and MTCTE certificate should be submitted before supply of switch. iii) For NSDTS* certified, consider to modify the clause as-the bidders' company/firm should be registered as a Trusted Source on the Trusted Telecom Portal on the bid submission date, the proof thereof need to be submitted along with the bid. The offered make and model of the Switch should got cleared on TTP portal before supply.	i) Understanding is correct, ii) & iii) Please refer the updated clause in corrigendum/Master RFP (i.e., refer the Notes for "MTCTE and NSDTS" under "Annexure A: TECHNICAL SPECIFICATIONS ")

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 0 7	Appendix # A , Page - 43	A - Financial Turn Over (In Cr) 4700 Cr	The Sole Bidder and In case of Consortium (combined turnover of lead bidder and Consortium member/s) should have an average annual turnover of at least following values in last three (3) audited financial years FY 2022-23, FY 2023-24, and FY 2024-25 or FY 2023-24, FY 2024-25, and FY 2025-26(non-audited may allowed) as per table details mentioned in Appendix # A	Kindly clarify whether the eligibility criteria can be rationalized and aligned with the BSNL Master RFP. If not, we request you to consider allowing cumulative qualification through consortium members. As per the BSNL Master RFP, a bidder with a cumulative turnover of ₹3,500 Crore is eligible to participate across four packages in different categories, with the minimum turnover requirement for consortium members being ₹100 Crore and ₹50 Crore, respectively. Considering that Gujarat is a single-package tender, we request you to allow cumulative turnover qualification for both Sole Bidders and Consortiums. In the case of a Consortium, the combined turnover of consortium members amounting to ₹2,500 Crore may be considered for meeting the eligibility criteria. To encourage wider participation and enhance competition, we request you to adopt a similar approach. Under the current eligibility criteria, only a limited number of bidders may qualify, thereby restricting competition. Aligning the eligibility criteria with the BSNL Master	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				RFP would enable broader industry participation while ensuring successful project execution and achieving the intended objectives of the project.	

1 0 8	Appendix # A , Page - 43	B Experience Of OFC Project (Kms) In Last 10 Years	Three(3) Orders/Organization Work, each having 12,000Km or Rs. 500 Cr. Or Two(2) Orders/Organization Work, each having 15,000Km or Rs. 600 Cr. Or One(1) Order/Organization Work, each having 25,000Km or Rs. 1000 Cr.	Kindly reconsider the Technical Capability criteria and align it with the provisions of the BSNL Master RFP. As per the BSNL Master RFP, a bidder participating in multiple packages across Category-1 and Category-2 is required to demonstrate cumulative EPC OFC network construction experience ranging from 8,000 Km to a maximum of 12,000 Km, even for participation in up to four packages. However, for the present GFGNL tender, which consists of a single package, the eligibility criteria require experience is : • Three orders, each having 12,000 Km OFC construction or ₹500 Crore value; or • Two orders, each having 15,000 Km OFC construction or ₹600 Crore value; or • One order having 25,000 Km OFC construction or ₹1,000 Crore value. The current eligibility requirement appears significantly more stringent than the corresponding criteria prescribed under the BSNL Master RFP, despite the latter covering multiple packages of a substantially larger scope. As presently defined, the criteria may limit participation to only a few large bidders, thereby restricting competition and reducing broader industry participation. Therefore, we request the Purchaser to rationalize the Technical Capability criteria by allowing cumulative OFC	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision
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				construction experience and reducing the experience requirement to a cumulative 15,000 Km of OFC network construction for this single-package tender. Further, bidders may be permitted to meet the experience criteria through a combination of multiple eligible projects and, in the case of a consortium, through the cumulative experience of consortium members, in line with the provisions of the BSNL Master RFP. This approach would encourage wider participation from technically qualified and experienced bidders, promote healthy competition, and ensure better value for the project while maintaining the required capability for successful execution.	
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1 0 9	Appendix # A , Page - 43	C Experience Of OFC- O&M (Kms) In Last 10 Years	The bidder should have satisfactorily completed in the last 10 years within India, the O&M of any OFC network of 24 or more Core Under Ground OFC for the number of 'Year Kms' (for the network for which O&M has been done for at least one year) at least equal to 85,000 Kms (a minimum 40% of the O&M requirement should be met through O&M of 24 or more core aerial fibre cables) (deployed in BharatNet by BBNL or state SPV)/ ADSS/ OPGW OFC as required for EPC Network Construction capability mentioned above. Year Kms: If O&M of "X" Kms of OFC has been done for "N" years ($N \geq 1$), then 'Year Kms' = "X multiplied by N".	Kindly reconsider and rationalize the Operation & Maintenance (O&M) eligibility criteria and align the same with the provisions of the BSNL Master RFP. As per the BSNL Master RFP, the O&M experience requirement is linked to the EPC Network Construction capability requirement. Accordingly, a bidder participating in one Category-1 package is required to demonstrate O&M experience corresponding to 8,000 Year-Kms, while the maximum requirement for participation across multiple packages is limited to 12,000 Year-Kms. However, under the present GFGNL tender, which consists of a single package, bidders are required to have satisfactorily completed O&M of OFC networks for at least 85,000 Year-Kms, with a minimum of 40% of the requirement to be met through O&M of 24-core or higher aerial fibre cable networks deployed under BharatNet, State SPVs, ADSS, or OPGW networks. The prescribed requirement of 85,000 Year-Kms for a single package appears significantly higher than the corresponding requirements under the BSNL Master RFP, which covers multiple packages of substantially larger scope. The current criterion may limit participation to only a few large bidders, thereby restricting competition and reducing wider industry participation.	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision
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				Therefore, we request the Purchaser to rationalize the O&M eligibility criteria and align it with the BSNL Master RFP by linking the O&M experience requirement proportionately to the EPC Network Construction experience criteria. Further, bidders may be allowed to meet the O&M eligibility requirement through cumulative experience across multiple eligible projects and, in the case of a consortium, through the combined experience of consortium members. Such an approach would encourage broader participation from experienced and competent bidders, foster healthy competition, and ensure successful project execution while maintaining the intended quality and operational standards.	
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 1 0	Appendix # A , Page - 43	D For Active Equipment's Experience (Numbers)	1,000 Numbers The active nodes to be considered for this criterion can be IP MPLS Routers(other then FTTx/Wi-Fi CPE), Layer-3 Switches, BNGs, PTNs/CPANs, DWDM, OLTs of 16 or more ports, and OTN. The bidder should have available capacity of having executed Installation, Commissioning and O&M of Telecom Equipment, satisfactorily in the last 10 years within India,	Request you to kindly allow experience of Layer-2 Switches (24 Ports) and OLTs (8 Ports) for meeting the technical eligibility requirements. Further, we understand that execution and O&M experience certificates issued by Telecom Service Providers (TSPs) and Class-A ISPs for similar network infrastructure project and O&M shall be considered valid for demonstrating the required experience. Kindly confirm our understanding	No change. The provision shall remain as per the RFP.

1 1 1	SECTION -7	SLA & Penalty Framework	GFGNL introduces highly granular SLA with multiple KPIs (uptime, latency, MTTR, packet loss, manpower availability, event-based penalties, etc.)	Kindly clarify whether all SLA-related KPIs are required to be integrated with the BSNL NOC as well. As per the BSNL Master RFP, the NOC monitors a defined set of critical and limited KPIs to ensure effective network monitoring and operational efficiency. Therefore, for smoother implementation and operational alignment, we request GFGNL to consider adopting a KPI framework similar to the BSNL NOC structure. While the SLA targets under the GFGNL project may be more stringent, it is important that the KPI definitions, monitoring methodology, and reporting mechanisms remain aligned with industry-standard practices and the BSNL framework. A common KPI structure will facilitate accurate monitoring, reporting, and compliance management. Further, GFGNL has specified auto-generated reports for SLA measurement and invoice processing. Kindly clarify whether all KPIs used for SLA evaluation, penalty calculation, and invoice certification will be available through the auto-generated reporting system. We also request clarification on the exclusions and exceptions that will be considered while calculating SLA compliance, including factors beyond the bidder's control. Since the SLA commitments are stringent	The BSNL NOC (CNOC) will continue to monitor a defined set of critical network parameters as per the BharatNet/BSNL Master framework. However, all SLA-related KPIs defined under the GFGNL RFP are not required to be fully integrated with the BSNL CNOC and monitored from SNOC. GFGNL's SLA framework has been designed to address state-specific operational, service quality, and accountability requirements. Bidder needs to ensure to comply the same.
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				and the associated penalties may result in significant financial exposure (up to 20–40% of the O&M value), we request GFGNL to review and rationalize the SLA, KPI, reporting, exclusion, and penalty provisions to ensure that all related clauses are properly aligned and practically implementable. This will help ensure transparency in performance measurement, minimize disputes during O&M operations, and facilitate successful project execution.	
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 1 2	Sec 5.15 Pg 169 + Sec 5.23	NOC - State Network Operations Centre	GFGNL mandates a dedicated State NOC at Gandhinagar, 24x7 operations, OSS/BSS/EMS/GIS/API integration, real-time dashboards and strict uptime SLA. This significantly increases infrastructure, integration and operational requirements beyond baseline.	Clarification Required : GFGNL has mandated the establishment of a dedicated State NOC at Gandhinagar with 24x7 operations, integration of OSS/BSS/EMS/GIS platforms, API-based interfaces, real-time monitoring dashboards, SLA reporting mechanisms, and stringent uptime requirements. The scope also involves comprehensive handover and takeover activities, onboarding of existing infrastructure, integration with multiple systems and stakeholders, data migration, testing, commissioning, and operational stabilization. Considering the extensive infrastructure setup, system integration complexity, and operational readiness requirements, the prescribed implementation timeline appears challenging. Therefore, we request GFGNL to review and rationalize the implementation schedule and extend the project execution timeline to a minimum of 15 months from the date of award. This will enable the successful establishment, integration, testing, and stabilization of all NOC systems and associated operational processes while ensuring compliance with the prescribed SLA and performance requirements.	Please refer the updated clause in corrigendum/Master RFP

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				An extended implementation period would facilitate smooth project execution, reduce deployment risks, and ensure the delivery of a robust and reliable network operations framework.	

1	5.23.1.1	OFC Network:	In the case of non-support from the Phase-I	Clarification Required :	As per the HOTO
1	INFRAST	HOTO phase 1	existing PIA, Selected PIA will be solely responsible	Clause Reference: Section 5.13.3.1 (A1)	process, Selected
3	RUCTUR	-2	to collect, analyze, correct and submit HLD and LLD	and Clause related to Conversion of	PIA shall be given
	E		of network based on the milestone designed in this	Aerial OFC Network to Underground	the existng details
	HANDOV		RFP section 5.13.3.1 (A1) with submission of	(UG)	available on best
	ER		ABD(as-built drawings), digital ITP Sheet, LSPM and	The RFP stipulates that, in the event of	effort basis.It is
	TAKEOV		OTDR report with time stamp including the survey	non-support from the existing Phase-I	bidder's
	ER - for		input mentioned in Table-0. with all valid	PIA, the selected bidder shall be solely	responsibility to
	Phase 1		documentations	responsible for collecting, analyzing,	provide the data
				correcting, and submitting HLDs, LLDs,	after survey and
				As-Built Drawings (ABDs), Digital ITP	design as per the
				Sheets, LSPM records, OTDR reports,	timeline of RFP.
				route details, and all associated	Please refer clause
				documentation of the existing network.	a)
				At the same time, the RFP states that	Change
				approximately 40% of the Phase-I	Management VII. b)
				network and 8% of the Phase-II network	ii for further
				(aggregating to around 11,000 km of OFC	clarification.
				network) are presently in aerial	
				condition and/or damaged, requiring	
				route rectification, aerial-to-	
				underground conversion, and network	
				rehabilitation.	
				Considering that the Phase-I network	
				was deployed approximately 12–15	
				years ago and is presently owned by	
				BSNL/GFGL, it may not be feasible for a	
				new bidder to accurately identify routes,	
				validate network records, assess asset	
				conditions, and prepare complete	
				network documentation without a	
				proper handover from the existing PIA	
				and the network owner.	
				Therefore, kindly clarify whether, in view	

				of the RFP's indication that approximately 40% of the Phase-I network is aerial and/or damaged, any additional restoration, route tracing, re-documentation, network rehabilitation, or unforeseen rectification work identified during the handover/takeover process shall be compensated separately as per the approved SOR rates and/or Change Request mechanism. This clarification is requested to ensure fair risk allocation, accurate assessment of the existing network, and successful project execution.	
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1 1 4	Sec 5.20 Pg 201	Earthing (All Levels – GP / Sub-Block / Block)	GFGNL mandates enhanced earthing requirements EARTHING AT GP LOCATION a) The PIA shall provide Chemical Earthing at newly connected GP and the existing connected GP (wherever applicable) and timely maintain during preventive and corrective maintenance at all the GP locations without any extra cost, as per specifications approved by GFGNL, with following details during entire contract duration: I. Item : Chemical earthing as per RDSO specifications RDSO/SPN/197 II. Earthing Rod : Length 3.0 Meter (Minimum) : Copper Coating 250 Microns (Minimum) : Dia 17 mm : Engraving UL mark/ Name of the Manufacturer/ Batch No. III. Back Fill Material : Resistivity 0.2 Ohm mtr. (max) : Packing in 10 Kg with Batch No. printed on Bag. IV. Size of the Earth Pit : Top -- 285 MM : Bottom -- 200 MM : Height --190 MM	Clarification Required: The RFP requires the PIA to provide and maintain Chemical Earthing at all newly connected GP locations as well as existing connected GP locations (wherever applicable) throughout the contract period, without any additional cost, in accordance with the specifications prescribed by GFGNL. In this regard, kindly clarify whether the existing earthing infrastructure available at GP locations under earlier BharatNet/BSNL/GFGNL implementations shall be considered acceptable. It is understood that the earthing systems deployed under earlier implementations may not have been installed as per the current specifications prescribed in this RFP, particularly with respect to earthing rod dimensions, copper coating thickness, backfill material resistivity, and earth pit configuration. Accordingly, compliance with the present specifications may require replacement and reconstruction of earthing systems at a large number of existing GP locations. Therefore, kindly confirm: 1.) Whether the bidder is required to construct new chemical earthing pits at all existing GP locations where the installed earthing system does not conform to the specifications prescribed in this RFP.	PIA shall ensure compliance with the earthing requirements specified in the RFP at all applicable GP /Shelter locations during the entire contract period. Existing earthing infrastructure may be retained only if it meets the functional, safety, and performance requirements and is found compliant with the specifications prescribed in the RFP. Where the existing earthing arrangement is found defective or inadequate for meeting the prescribed requirements, the PIA shall undertake necessary augmentation/replacement at its own cost. The cost of such compliance, including
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				2.) Whether existing functional earthing systems shall be permitted to continue, subject to meeting the required earth resistance values and operational performance criteria. 3.) Whether the cost of replacement/reconstruction of existing earthing systems at operational GP locations is deemed to be included in the contract scope and price, or whether such work shall be compensated separately under the approved SOR mechanism. It is further observed that certain earthing specifications and parameter values prescribed in the RFP differ from those commonly adopted in existing BSNL telecom infrastructure. Therefore, we request GFGNL to clarify whether equivalent telecom-standard earthing systems currently deployed in the network shall be accepted, provided that the required electrical, safety, and performance parameters are achieved. This clarification is essential for the accurate assessment of the project scope, associated costs, and implementation requirements at existing GP locations.	augmentation/reconstruction wherever required, shall be included in the scope of work and quoted rates, and no separate payment will be made by GFGNL.
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 1 5	Sec 5.23.6– 5.23.7 Pg 230– 232, 299	Fault Monitoring / RFMS Integration & Active Infrastructure (RFMS)	As per the SOR and Price Bid, provision of 394 RFMS units has been included under the project scope	Clarification Required: Existing RFMS Inventory Kindly clarify the status, compatibility, and long-term usability of the existing RFMS (Remote Fiber Monitoring System) inventory available in the network. As the RFP requires the selected bidder to operate, maintain, and support the network infrastructure for the entire contract period, including the O&M phase, it is requested to confirm whether the existing RFMS equipment and associated software/licenses shall remain usable and supported throughout the contract duration. Further, kindly clarify: 1. Whether the existing RFMS inventory conforms to the technical specifications, functionalities, and data-point requirements prescribed for the new RFMS hardware proposed under Phase-III. 2. Whether AMC, warranty, OEM support, software updates, spare availability, and technical support for the existing RFMS inventory shall be managed by the New PIA up to period 10 years. Kindly confirm. specification is essential for accurately assessing the technical, operational, and commercial implications associated with	The bidder shall consider the RFMS quantities and scope as specified in the RFP, SOR and Price Bid. Existing RFMS inventory, wherever available, shall be handed over during the HOTO process. The proposed solution shall support integration and interoperability with the existing network infrastructure as required. The bidder shall assess compatibility requirements and provide a complete RFMS solution meeting the functional requirements specified in the RFP. No additional payment shall be admissible on account of interoperability or

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				the long-term maintenance, support, and integration of the existing RFMS infrastructure. 3. Pls clarify the DF fiber monitoring criteria of the RFMS, it will upto Block to Sub Block, Sub Block to GP or 1 core in entire ring.	integration with existing infrastructure.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 1 6	Duct/DIT related clause - page 141	DIT (Duct Integrity Test) Requirement	Following the completion of Trenching and Ducting (T&D), the Duct Integrity Test (DIT) should be performed prior to cable blowing to ensure system readiness and avoid future challenges	It is requested to kindly remove the requirement for DIT (Duct Integrity Test) from the project scope. DIT is generally conducted for spare/empty ducts prior to cable installation to verify duct integrity and ensure suitability for cable blowing activities. In the present project, the scope primarily involves upgradation, rehabilitation, augmentation, and limited new creation of the existing passive network infrastructure. Further, for newly created routes, the optical fiber cable shall be blown into the duct immediately after duct installation. Since the duct will not remain spare or unused for any significant period, conducting a separate DIT would not provide any additional technical benefit. The successful completion of cable blowing itself shall demonstrate the integrity and continuity of the duct path. Accordingly, we request GFGNL to exclude the DIT requirement from the project scope, as the requirement is not technically relevant for the proposed implementation methodology and may result in additional time and cost without corresponding value.	Pls see revision. DIT (Duct Integrity Test) removed from the scope. However, PIA has to ensure highest quality standard and process framework implemented during ABP project.

1 1 7	3.1 / Clause 10	ISP/TSP License Eligibility Restriction	As per the RFP, entities holding ISP/TSP License in Gujarat LSA are not eligible to participate in the bidding process.	Request to you pls consider : As per the RFP, entities holding ISP/TSP License in Gujarat LSA are not eligible to participate in the bidding process. It is submitted that certain entities holding ISP licenses have successfully executed large-scale BharatNet projects and provided long-term Operation & Maintenance services under GFGNL without any conflict of interest. Such entities are also existing users of GFGNL infrastructure services, including dark fibre connectivity, and contribute towards expansion of broadband connectivity and last-mile service delivery across the State. Considering their proven experience in deployment, operation and maintenance of state-wide telecom infrastructure and government connectivity projects, kindly clarify whether entities holding ISP licenses may be permitted to participate in the bid, either independently or as consortium members, subject to appropriate conflict-of-interest safeguards such as ring-fencing of operations, separate business verticals, non-discriminatory access obligations and compliance with all contractual requirements. This would facilitate wider industry participation, enhance competition and enable participation of experienced organizations while adequately safeguarding the interests of GFGNL and the project. For abundant caution and to address any perceived conflict of interest, the	No Change. The provision shall remain as specified in the RFP, as it is based on requirements mandated by DBN at the national level under the ABP framework.
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			participating ISP/TSP licensed entity may comply with the following safeguards: 1. Ring-Fencing of Operations 2. Separate Business Vertical 3. Non-Discriminatory Access 4. Information Confidentiality 5. Independent Audit Rights 6. No Exclusive Commercial Advantage 7. Compliance Undertaking 9. Regulatory Compliance as per CVC guidelines : "As per CVC memo No. 12-02-1-CTE-6 ,dated 17/12/2002, guidelines were prescribed in this office OM on the above-cited subject to ensure that the pre-qualification criteria specified in the tender document should neither be made very stringent nor very lax to restrict/facilitate the entry of bidders. As per CVC standard pre-qualification criteria typically fall into the following four categories: 1. Technical Capacity & Experience . 2. Financial Standing. 3. Statutory & Legal Registrations. 4. Infrastructure & Resources. The clause which restricts ISP/TSP license holders is beyond these four categories and need re evaluation from your end."	
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 1 8	3.1 / Clause 10	ISP/TSP License Eligibility Restriction	As per the RFP, entities holding ISP/TSP License in Gujarat LSA are not eligible to participate in the bidding process.	Kindly consider and allow the following provision in case consortium participation is permitted: Lead Bidder Responsibility (Applicable for Consortiums) In the event of consortium participation, the Lead Bidder shall remain solely responsible for all contractual obligations, performance commitments, statutory compliances, service delivery requirements, performance guarantees, and overall project execution. The ISP/TSP licensed entity may participate as a consortium member and/or technology partner to meet the eligibility requirement of the project. The Lead Bidder shall be accountable to GFGNL for the successful execution and operation of the project, while the consortium member shall provide the required services and technical support as per the consortium agreement. Allowing such a structure would encourage wider participation from experienced infrastructure and system integration companies while ensuring full contractual accountability through the Lead Bidder.	No Change. The provision shall remain as specified in the RFP, as it is based on requirements mandated by DBN at the national level under the ABP framework.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 1 9	3.1 / Clause 10	ISP/TSP License Eligibility Restriction	As per the RFP, entities holding ISP/TSP License in Gujarat LSA are not eligible to participate in the bidding process.	Please note that GFGNL Phase 2 and GFGNL Phase 3 -(Candle Tender) Both RFP was Approved by USFO/DOT and there was no ISP Clause to restrict the participation. here the clause is to restrict the bidders who are already proven on the execution strength so request to you please review the clause and remove	No Change. The provision shall remain as specified in the RFP, as it is based on requirements mandated by DBN at the national level under the ABP framework.
1 2 0	5.23.9 OTHER NETWO RK O&M PARAMET ERS - Page 239	L) - New Phase-III Equipments:	There may be the case, many of the active and passive equipments are under or out of warranty period. Selected PIA has to ensure to take the warranty and AMC of both active and passive network elements for BharatNet Phase-I & II for the same duration as mentioned in the appropriate clause in this RFP document. Similarly, To mitigate risk from power fluctuation, or aging or other causes of device failure, the PIA shall besides keeping the spares (as mentioned in clause 5.7.2), also obtain necessary warranty and AMC support from the manufacturers of passive components	in RFP - as mentioned in clause 5.7.1 & clause 5.7.2 is not found.	Bidder is advised to Read clause 5.6.1 and 5.6.2 carefully

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 2 1	B - Page -153	SDC Site Requirements	Rack Space Allocation [SIGN OF BIDDER] Page 154 of 589 - Considering associated cost of space and power in data center, bidder to ensure optimal design of core nodes. - For EMS integration with other tools, required space and compute resources including DC power sources will be arrange by the GFGNL at SDC-Gandhinagar/ any other locations. However, selected bidder will be solely responsible for the connectivity from the EMS to NMS.	It is assumed that GFGNL will provide the required rack space and AC raw power at the SDC. The bidder shall be responsible for supplying and installing telco-grade racks, including rack-mounted redundant AC-to-DC power plants. All proposed equipment shall be housed within these racks. Pls confirm	For EMS, Bidders shall host the application at HCI . Further GIS and NMS application are to be hosted at SDC compute resources. The AC power sources will be arrange by the GFGNL at SDC-Gandhinagar/ any other locations. However, selected bidder will be solely responsible for the connectivity from the EMS to NMS.
1 2 2	5.23.4 - Network inventor y. Page 227	J - Transport network	Existing Transport/backhaul equipment at SDC must be 1:1 active and critical for the network, and hence sufficient spares should be available for entire contract duration.	pls explain the scope in detail	Please refer the updated clause in corrigendum/Maste r RFP.
1 2 3	5.23.5.2. Page 229	SERVER PROVISIONIN G	Server (Computing) and Storage for all software applications like NMS along with all other applications such as ERP, Project management tool, web portal mobile, etc. will be provided by GFGNL.	We understand that this requirement pertains to the existing network during HOTO and shall remain applicable only until the entire network is migrated to the new Phase-III infrastructure. Kindly confirm our understanding.	Please refer the updated clause in corrigendum/Maste r RFP. Since Web portal Mobile is not allowed at SDC, This should be arranged at HCI

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 2 4	5.23.6 Page - 231	FAULT RESTORATION SERVICE	The PIA shall arrange for logistics to provide facilities such as AC/DC power source, lighting arrangement, dewatering facility, DG sets etc., which may be required during the execution of maintenance job at site.	We understand that this requirement is applicable only to the Block and Sub-Block locations and is not applicable to GP locations or other Customer Connectivity site categories. Kindly confirm our understanding. (a) Please clarify the responsibility and reimbursement mechanism for DG movement and diesel/fuel costs incurred during commercial power outages, as the uptime of raw utility power is beyond the control of the PIA. (b) Further, in cases where raw power is disconnected due to reasons such as payment-related issues attributable to the utility provider or site owner, and DG deployment becomes necessary to maintain service continuity, kindly clarify how the associated DG movement, operation, and fuel costs shall be considered and compensated.	The requirement is applicable to the Block, Sub-Block & Master block locations. Facilities such as AC/DC power source, lighting arrangement, dewatering facility, DG sets etc which may be required during the O&M phase at site shall be in PIA's scope.
1 2 5	5.14 ELECTR ONICS INSTALL ATION - Page 167	K - Provisioning Mini OLTs	bbtnl website , " https://bbnl.nic.in/index1.aspx?lsid=735&lev=2&lid=588&langid=1	the website/link provided in the RFP is not accessible and appears to be non-functional. Kindly verify the link and provide the relevant list/details through an alternative means or share the updated URL.	Please refer the updated clause in corrigendum/Master RFP

1	9.39	List of existing BharatNet Phase-I and Phase-II details	9.31 ANNEXURE-XXXI – Unconnected Gram Panchayat List in Gujarat : Enclosed	The website/link provided in the RFP is not accessible and appears to be non-functional. Kindly verify the link and provide the required information through an alternative means or share the updated URL.	Said annexures are accessible on GFGNL website as well as on n-Procure. As far as Battery replacement life cycle pls refer Clause X1 (Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP)
2	ANNEXU		9.32 ANNEXURE-XXXII – List of Gram Panchayats to be upgraded from Linear to Ring : Enclosed	Further, kindly provide the following details to enable accurate bid preparation and assessment of the existing infrastructure:	
6	RE-XXXIX – Page 387		9.33 ANNEXURE-XXXIII – List of Sub-blocks where BSNL Exchange to be use or new shelter Infrastructure to be constructed : Enclosed 9.34 ANNEXURE-XXXIV – List of Sub-blocks where Existing shelter Infrastructure to be upgraded : Enclosed	# Existing GP List., Sub-Block Location List., Block Location List., Special Location Details.and Village Panchayat List. # Detailed inventory of all existing assets at Field, GP, Block, Sub-Block, NOC and Data Centre locations, including: Make and Model, Installation Date, Warranty Status and Remaining Warranty Period , AMC/O&M Coverage Details, End-of-Life (EOL) / End-of-Support (EOS) Status # Details of existing Server, Storage, Video Wall, UPS, Compute Infrastructure, Network Equipment and Software, including: Software License Details, License Validity / Renewal Due Dates Subscription Status, OEM Support Status, # Shelter Infrastructure Details, including: Make and Model, Installation Date, Warranty Status, EOL/EOS Status, Associated Infrastructure Inventory,	

				# Battery Bank Details at all Shelter Locations, including: Battery Type and Capacity, Installation Date, Remaining Warranty Period, Current Battery Health (C10 Capacity Test Report) Lifecycle / Replacement History Since GFGNL is currently undertaking O&M activities through its maintenance partner, it is assumed that all batteries are being maintained as per OEM recommendations and are in healthy operating condition. Kindly confirm. As per the RFP requirements, rectifiers are to be available at each shelter location. It is assumed that all existing rectifiers are installed, operational, and in serviceable condition. Kindly confirm	
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 2 7	5.23.2 - G - Page 219	G - Shalter Provide	G) It is the responsibility of GFGNL to provide the shelter on time. It is the responsibility of PIA for timely survey, conveying the location of shelter at Sub-block location as part of overall fiberization plan. h) On best effort basis, GFGNL will provide shelter or in case of any difficulty or unforeseen delay in providing the shelter, then GFGNL will provide alternate location. To de-risk the PIA, it is clarified that the chance of shifting cases are very unlikely and over and above that even if the need of shifting is the necessity, then one time charges of following shall be applicable for payment by GFGNL to PIA to meet expenses upon intimation and approval. i) Shifting of electronics and accessories including re-installation and commissioning = Maximum up to Rs. 15,000/- per location. ii) Rs. 400 per mtr for additional UG fiber work as per engineering instructions mentioned in RFP including material, workmanship and all the associated cost.	pls confirm the Cope is belong to GFGNL or PIA	It was Typo error. The Clause "G" and "H" stands deleted
1 2 8	General Query	Spare Requirement	The RFP requires the provision of spares for O&M support	The RFP requires the provision of spares for O&M support; however, the percentage or quantity of spares has not been specified. It is assumed that the bidder shall provision adequate spares as deemed necessary to meet all O&M requirements and SLA commitments during the contract period. Kindly confirm our understanding.	Bidder has to provision adequate spares, necessary to meet all O&M requirements and SLA commitments.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 2 9	5.3 / Table X.1.1	132	Handover & Takeover (HOTO) Milestones	(a) What action/penalty will be imposed on the outgoing Phase-I/II agency if the monthly 20% GP HOTO milestone is not achieved? (b) Will the incoming PIA's penalty obligation under Section 5.23.1.1 Note V (Rs. 5,000/month/GP) commence only after formal HOTO completion or from the forced takeover date?	(a) The obligations, liabilities and actions applicable to existing agencies shall be governed by their respective contracts with GFGNL and are outside the scope of this RFP. (b) The selected PIA shall assume responsibilities and obligations for the respective network elements/sites after handover/takeover in accordance with the provisions of the RFP. Applicable O&M obligations and penalties, if any, shall be governed as per the contract terms and corresponding HOTO status of the respective network elements/sites.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 3 0	5.3.1(b) / Table- OC	218	Phase-II HOTO Optical Health Requirement	(a) In case 100% optical power levels (-8 dBm to -25 dBm) are not achieved before HOTO due to pending CR work, aerial OFC issues, or storm damage, who bears the liability? (b) Will GFGNL/IE issue a formal fault list at the forced takeover stage?	Please refer Clause 5.3.1 HANDOVER/ TAKEOVER OF THE EXISTING BHARATNET PHASE-I & PHASE-II NETWORKS: c) The PIA shall be responsible for overall O&M of the OFC network including GPON equipment, logistics, replacement of faulty GPON, SPV equipment, spares management and also after the MPLS routers are commissioned in the Block and GP. Further, Selected PIA shall be responsible to improve the OFC network/remaining core of phase-I and phase-II on achieving -25dB or better optical power from day-1

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					of the contract signed.
1 3 1	5.23.1.1 (b)(IV) / 6.5	218 / 261	O&M Payment for Non-Functional Routes	(a) Will O&M payment commence from the HOTO date even for non-functional routes taken over under forced takeover? (b) Kindly confirm whether Rs. 351/day/GP is payable from HOTO date for all GPs, while restoration charges under Annexure-F are payable additionally for above 11000 KM length or will be payable for CR after HOTO done and any section damage under CR clause. pls confirm	O&M responsibilities and payments for the existing BharatNet Phase-I and Phase-II network shall be governed by Clause 6.5 and other relevant provisions of the RFP. Applicable O&M payments shall commence from the HOTO date in accordance with the RFP provisions. Further, CR consideration for network is applicable after 3 years or after the

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					100% go-live whichever is later. Prior to 3years or the 100% go-live, all cost shall be bear by the bidder without any additional cost to GFGNL.
1 3 2	6.4	258	Invoice Certification & Payment Timeline	(a) What is the maximum timeline allowed for IE certification after invoice submission? (b) pls define the timeline for IE alos so bidder gats the payment in 45 days.	The bidder is advised to refer the GFGNL website,i.e., " https://bharatnet.gujarat.gov.in/tenders " for further intimation from GFGNL on IE Tender for better clarity. However, payment process will be within 45 working days after submission of valid invoice with all supporting details/documents.
1 3 3	7.10.2.9	288	Dark Fibre Penalty	(a) How many route kilometers of dark fibre are currently leased to third parties? (b) What are the applicable SLA commitments and penalty rates under those agreements and commitment ?	a) ~30,000+ Km OFC dark fibre are already leased and few more are in progress. b) the applicable SLA and penalty rates are same as

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					RFP clause_7.10.2.7, 7.10.2.8 and 7.10.2.9
1 3 4	5.23.9	239	OFC Damage Due to Third-Party Agencies	(a) Why is the PIA required to bear the cost of OFC damage caused by statutory authorities during the implementation period? (b) Can statutory-authority-caused damage be treated as reimbursable from Day-1? (c) What support will GFGNL provide for recovery of such costs from the responsible third party?	It is bidder's responsibility to safeguard OFC as part of O&M activity.
1 3 5	4.60 / 5.22	149 / 206	Power Availability & RoW Facilitation	(a) Will downtime due to utility power failure beyond UPS backup duration be excluded from SLA calculations upon submission of supporting evidence? (b) Can GFGNL be required to formally notify all relevant authorities regarding RoW requirements within 30 days of contract signing, and exclude resulting delays from PIA penalties where such intimation is delayed?	Refer the clause 7.10.2.18 "EXCLUSION" for better clarity
1 3 6	Section 5	5.12 - SCOPE OF WORK FOR BSNL EXCHANGE / SHELTER	a) Existing Shelter of BharatNet Phase-II Infrastructure Upgradation - The bidder will be responsible to take over existing porta cabin/Shelter's along with it's active and passive equipments(existing as well as newly upgraded line items) and provide onsite comprehensive warranty for entire 10 years of contract duration.	With the understanding that existing batteries are VRLA, please suggest upgradation of the batteries for such site/shelter should be done with VRLA battery or same can be done with Li batteries. In such case, please suggest the Li battery rating.	Upgradation of the batteries for sites/shelter shall be done with Li-on batteries. Please refer Clause XVIII. SMPS Battery

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 3 7	Section 10 - Annexur e B	XIV. Rack at GP Locations	Misc - All enclosure panels are single walled bolttable from inside with earthing to be done on all flat parts	If the panels are designed to be bolttable from the inside, they cannot be accessed for fastening once the unit is fully populated and installed at site. Therefore, it is requested to remove the "bolttable from inside" requirement.	No change. The provision shall remain as per the RFP.
1 3 8	Section 10 - Annexur e B	XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP	Temp range Limitation - Max up to 55	IS UPS complying to GR 66160: 2024 is designed to such a high temperature.?	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.
1 3 9	Section 10 - Annexur e B	XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP	Type - Online for GR 66140:2019 or latest updates without any Hybrid functionality	GR 66160:2024 or latest is best suited for this requirement as it has dual rectifier, Li-ion battery BMS communication , SNMP communication etc. In the last year Tender of GFGNL (which has been ccncelled later) , TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable was mentioned in clarification dated 25th April 2025. Accordingly, we suggest and request to change the GR no. in this tender also.	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 4 0	Section 5.12.2 & Annexure - I - Page 166 & 459	Tower Construction Requirements –	Tower Construction Requirements – Page 166 mentions 180 Kmph wind speed while in Page 459 ,XVI. Pole & mast for UBR installation wind speed of 150 kmph and upto 200 Kmph for coastal is mentioned – Please clarify	Kindly clarify the actual requirement of Tower SITC with Wind speed capacity and confirm the final FAT requirements for the tower infrastructure, including all tower accessories such as tower earthing, lightning arresters (LA), aviation lamps, and other related components.	Pole & mast for UBR installation should withstand wind speed of minimum 150 Kmph in normal area and minimum 180 Kmph in coastal and Kutch area. Successful bidder has to ensure tower earthing, lightening arrestor, aviation lamps and other related components as per compliance requirement of DoT.
1 4 1	Sec 5.15 - Page 174	Migration & Expansion of Core Infrastructure	PIA has to create and migrate over core infrastructure to facilitate all working services including all inventories for all the gram panchayats, horizontal offices, GISL Wi-Fi services, and other P2P services which are already running in the Phase 2. Tentative count of all the services of Phase 2 is 30000+ (Including existing CRM module of ERP, details will be provided during migration) and phase 1 will be the scope of PIA without any additional cost to the GFGNL. This is very important expectation and GFGNL is seeking the expert PIA to co-operate and operate the migration swiftly.	Kindly clarify the responsibility for the replacement and/or upgradation of legacy equipment if it is found to be End-of-Life (EOL), End-of-Support (EOS), unsupported, incompatible, or lacking the required KPIs and other necessary features during the migration of the existing 30,000+ services.	It is bidder's responsibility to provide the uninterrupted safe services to all users.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 4 2	9.21 - Apge 364	Format XXI Self- declaration regarding Local Content (LC) for Telecom Product	Percentage of LC claimed:.....%	Please confirm whether the LC is to be submitted against the total contract value (Supply + Services) or only against the Supply value. If applicable only to the Supply value, please clarify whether the cumulative LC value should be maintained at a minimum of 50% of the Supply Order value.	Local Content (LC) is to be submitted for Telecom Product, Services or Works
1 4 3	4.77 page - 119	PUBLIC PROCUREMENTS- MAKE IN INDIA (MII)	As per aforementioned guidelines there shall be three categories for manufacturers/ suppliers: I. Class-I Local Supplier: A supplier or service provider whose goods, services or works offered for procurement meets minimum 'Local Content' of 50%. II. Class-II Local Supplier: A supplier or service provider whose goods, services and works offered for procurement meets minimum 'Local Content' of 20% but less than 50%. III. Non-Local Supplier: A supplier or service provider whose goods, services and works offered for procurement has 'Local Content' less than 20%.	Please confirm whether the LC is to be submitted against the total contract value (Supply + Services) or only against the Supply value. If applicable only to the Supply value, please clarify whether the cumulative LC value should be maintained at a minimum of 50% of the Supply Order value.	Local Content (LC) requirements shall be applicable on the total value of procurement (i.e., overall contract value including supply, services, and works), in line with the Public Procurement (Make in India) guidelines. Accordingly, The bidder shall ensure that the minimum prescribed LC percentage (e.g., 50% for Class-I) is maintained on the overall contract value. Further, Evaluation and compliance of LC shall be carried out as per applicable

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					GoI MII guidelines and tender provisions.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 4 4	4.77 page - 119	PUBLIC PROCUREMENTS- MAKE IN INDIA (MII)	Class-I & Class-II local and non-local bidders shall be eligible to participate in the tender. However, Preference shall be given to Class-I bidders as defined in the Public Procurement (Preference to Make in India) Order, 2017, as amended from time to time. e. The bidder must source notified items mandatorily from Class-I local suppliers. The overall local content of bid shall be calculated as per Clause 2(e) of the DPIIT PPP-MII order, which states: "For contracts involving the supply of multiple items, the weighted average of all items shall be taken while calculating the local content. f. The bidder shall submit Form-1(as per Annexure-format XXI) for overall local content of the total bid, along with declaration specifying the local content of individual SOR items, failing which the bid is liable to be rejected. The declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the bidder is a company and by a practicing cost accountant or a chartered accountant for bidders other than companies.	As per our understanding, the PIA is required to submit the LC against the entire bid value. OEM-backed LC may be declared and submitted; however, a separate LC issued directly by the OEM/Supplier should not be considered for bidder eligibility evaluation. Kindly confirm.	No change. The provision shall remain as per the RFP.
1 4 5	Section 4 Page 56	4.3	Bids would be evaluated on the basis of the lowest assessed Bid Price (the "Bid Price") excluding GST.	Please confirm whether the financial evaluation for L1 determination will be carried out on the bid value including GST or excluding GST. Kindly clarify the basis of commercial evaluation.	Clause is self explanatory.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 4 6	Section 4 Page 65	4.19 (f)	Evaluation and comparison of substantially responsive bids: The evaluation and comparison of responsive bids shall be done on total cost (i.e. inclusive of GST) basis on the prices of the Material/ services offered as indicated in the Financial Bid after arithmetic correction in the manner laid down herein above	Please confirm whether the financial evaluation for L1 determination will be carried out on the bid value including GST or excluding GST. Kindly clarify the basis of commercial evaluation.	It was a typographical error. The same has been rectified. Please refer to the updated clause.
1 4 7	8.1 Page - no 296	SCHEDULE OF REQUIREMEN TS (SOR) -	Online UPS (2KVA) with 4 Hrs backup provisions at Block locations with accessories including installation, integration, testing and commissioning with provision of MPPT Card including solar panels	As per the Technical Data Sheet, the UPS backup requirement for GP locations is 6 Hours, whereas the SOR specifies 4 Hours. Kindly confirm the UPS backup duration to be considered for bidding and implementation purposes.	RFP Clause - 8.1 SOR > Table S. no. 10.3 stands deleted. However, Quantity is mentioned "Zero" in this tender.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 4 8	5.23.9 - K -Page 239	5.23.9 OTHER NETWORK O&M PARAMETERS	Existing GP Powerbackup/UPS having 1 KVA capacity with 2 hours back up. Bidder shall repair/replace faulty UPS / low power backup UPS as part of existing network O&M. For better uptime, bidder may also replace the existing UPS with new to achieve atleast minimum 6 Hours of Back up to achieve target SLA. The Uninterruptible Power Supply (UPS) should have the inbuilt functionality as a stabilizer. Further, if any issues arises such as the phase and neutral wires shorting out or any damage caused by voltage fluctuations, it will be the responsibility of the Project Implementing Agency (PIA) to handle it. This is to manage the uptime and ensure the network remains operational in power/electricity issues. Additionally, any need for extra wiring or other similar tasks will also fall under the scope and responsibility of the PIA.	As per our understanding, existing UPS systems may be utilized during the existing O&M period to maintain the required uptime. However, all existing UPS systems shall be replaced with new UPS units providing 6 Hours backup before project completion. Kindly confirm our understanding.	Bidder understanding is correct. Existing UPS systems may be utilized during the existing O&M period to maintain required SLA. Bidder shall repair/replace faulty UPS / low power backup UPS as part of existing network O&M. For better uptime, bidder may also replace the existing UPS with new to achieve atleast minimum 6 Hours of Back up to achieve target SLA. All existing UPS systems shall be replaced with new UPS units providing minimum 6 Hours backup as part of GP upgradation.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 4 9	5.15.37 Page 172	5.15.37 SCOPE OF WORK FOR STATE- NETWORK OPERATIONS CENTRE (S- NOC) IMPLEMENTA TION		Kindly clarify whether GFGNL shall provide call center infrastructure, PRI/SIP connectivity, and toll-free numbers, or the same is within PIA scope.	Call center infrasturcture, PRI/SIP connectivity and toll-free numbers is within GFGNL's scope. However Help desk Grievence management module is to be procured by PIA. Pls see revision for Financial Bid
1 5 0	Page No. 239 k)	New Phase-III Equipments: point no K.	Existing GP Powerbackup/UPS having 1 KVA capacity with 2 hours back up. Bidder shall repair/replace faulty UPS / low power backup UPS as part of existing network O&M. For better uptime, bidder may also replace the existing UPS with new to achieve atleast minimum 6 Hours of Back up to achieve target SLA. The Uninterruptible Power Supply (UPS) should have the inbuilt functionality as a stabilizer. Further, if any issues arises such as the phase and neutral wires shorting out or any damage caused by voltage fluctuations, it will be the responsibility of the Project Implementing Agency (PIA) to handle it. This is to manage the uptime and ensure the network remains operational in power/electricity issues. Additionally, any need for extra wiring or other similar tasks will also fall under the scope and responsibility of the PIA.	Quantity for replacement of 1KVA UPS with 1kva UPS with 6hr backup	Please refer SECTION-5 SCOPE OF WORK

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
151	Page no 300, 10.3	Passive Infrastructure (Power) 10.3	Online UPS (2KVA) with 4 Hrs backup provisions at Block locations with accessories including installation, integration, testing and commissioning with provision of MPPT Card including solar panels	Quantity & Specification not available	RFP Clause - 8.1 SOR > Table S. no. 10.3 stands deleted. However, Quantity is mentioned "Zero" in this tender.
152	Page No 303, 18.14 & 18.14	Telecom Grade Shelter (Quantity is just discovery, Execution and payment will be based on actual) 18.14 & 18.14	Supply, Installation, testing & commissioning of Single Phase Air Cooled IP55 Servo Stabilizer Single Phase 10 KVA . Supply, Installation, testing & commissioning of Single Phase Air Cooled IP55 Servo Stabilizer Three Phase 16 KVA	For 16KVA in Spec it is mentioned as 3 phases as per specification. Please confirm phase configuration for both Scvs	Pls read the RFP clause as "XXI. 3-Phase Servo Stabilizer: Confirmation of servo motor operated LVC to: IS:9815 (Pt-1) for three phase"
153	Page no 393, UPS	UPS	Supply, installation & Commissioning of Arrow 20 KVA online UPS with 2 Hours battery backup with 1 year onsite warranty including Battery	For this requirement, Specification is not given. UPS OEM may consider battery Make as per their convenience like HBL/EXIDE/Quanta or equivalent	The Existing battery , make is of "EXIDE EP 120-12" at NOC UPS. Bidder has to ensure for better network uptime, accordingly, better or equivalent industrial standard can be use.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 5 4	Page no 468, Input voltage range per phase (Volt)	XXI. 3-Phase Servo Stabilizer- CONSTRUCTIO NAL	3-Phase Servo Stabilizer-input voltage range per phase (Volt) - 110-300V	Requirement is mentioned as 3 phase but range is single phase. Please re confirm the input voltage range	No change. The provision shall remain as per the RFP, Voltage range is per Phase
1 5 5	Page no 420,	XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP	Online for GR 66140:2019 or latest updates without any Hybrid functionality	1. Please clarify requirement is online UPS. 2. TEC GR 66160:2024 is applicable for HYBRID (AC + DC) UNINTERRUPTED POWER SUPPLY SYSTEM.Please confirm your requirement online UPS or hybrid UPS 3. For online UPS, TEC certification is not mandatory. Instead, BIS certification is required under the Compulsory Registration Scheme (CRS). BIS Covers UPS under IS 16242 / IEC 62040. We request to remove TEC and mandatory BIS for UPS.	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.
1 5 6	Page no 420,	XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP	Backup time-Minimum 6 Hrs with Full load Load: 500 Watt	1.Refernce page no 281- 2400VAH of Li- ion battery to be consider as per GR TEC 67060:2016. 2. Reference page no 300- 6 Hr backup require on 500W full load. Based on industry standard 2400VAH may not sufficient. Kindly suggest on the same.	RFP Clause "Lithium-Ion Battery of 2400 VAH to be used" stands deleted

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 5 7	XI. Minimu m Technic al specifica tions for Uninterr upted Power Supply (UPS) System at GP	Point No. 28	UPS for GP - Recharge time -6-8 hours	We wish to submit that the specified recharge time of 6–8 hours for Li-ion batteries is achievable under ideal operating conditions. However, at GP (Gram Panchayat) locations, the utility power supply is often unstable and subject to frequent interruptions and voltage fluctuations, which may adversely affect the charging process. Since the system is required to provide 6 hours of backup at full load, a longer recharge duration is essential to ensure complete battery charging and reliable operation under field conditions. Therefore, we request you to kindly revise the battery recharge time specification from 6–8 hours to 8–10 hours, which would be more practical and suitable for actual site conditions without affecting system performance and availability.	No change. The provision shall remain as per the RFP.
1 5 8	8.1 SCHEDU LE OF REQUIR EMENTS (SOR)		10.3 .Online UPS (2KVA) with 4 Hrs backup provisions at Block locations with accessories including installation, integration, testing and commissioning with provision of MPPT Card including solar panels	Please confirm the specification and the load connected with UPS in block level level	RFP Clause - 8.1 SOR > Table S. no. 10.3 stands deleted. However, Quantity is mentioned "Zero" in this tender.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 5 9	Pg No. 397 , Point No.20 ,	UPS	TEC GR Standard No.: TEC 66140:2019 with latest amendments, if any without any Hybrid functionality and including BMS features	As per your SOR point No. 10,Power System with backup provisions at GP locations with accessories including installation, integration, testing and commissioning with provision of slot for MPPT Card BUT excluding MPPT Card & solar panels. This is as per TEC GR 66160:2024. So it should be amended.	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.

1 6 0	Clause 5.12 – Scope of Work for BSNL Exchange / Shelter, Clause 4.73 – Subcontracting, and Point No. (X) relating to spare availability and OEM support provisions	Page No. 111 & 112, Page No. 154 to 164, and Page No. 459 to 464	Tender provisions include shelter infrastructure deployment/upgradation, long-term O&M responsibilities, subcontracting provisions, spare availability obligations and OEM support provisions for infrastructure/equipment deployed under the project.	In the RFP, provisions are given for shelter management, maintenance, infrastructure, specifications, spare availability and OEM support obligations for various infrastructure/equipment deployed under the project. However, nowhere in the tender has specific Shelter OEM MAF/authorization requirement been mentioned despite telecom shelters forming a critical infrastructure component of the BharatNet network. The telecom shelter infrastructure hosting OLTs and other telecom equipments forms the base environment for operation of active telecom, power and cooling systems during the complete project lifecycle. In view of the long-term O&M obligations and stringent uptime requirements under the project, kindly clarify whether any Shelter OEM authorization mechanism is proposed to be considered by GFGNL for ensuring standardized shelter execution, coordinated maintenance support and long-term infrastructure reliability. Further, kindly clarify whether the proposed shelter make/model and associated major infrastructure component details are expected to be declared at the bid stage for ensuring proper technical evaluation, maintainability and lifecycle support during the approximately 10 years O&M period. It is also requested to clarify the manner in which GFGNL proposes to ensure quality consistency, spare support availability and accountability of shelter infrastructure and O&M vendors	Pl see preceeding response in Query Sr. Nu. 78
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				engaged for execution and maintenance of telecom shelter infrastructure under the project. Moreover, telecom shelter infrastructure is a specialized infrastructure component requiring technically sound and experienced execution and maintenance teams and therefore may not be treated as a secondary item under the project. Considering the existing asset database of more than 400 shelters along with possible future/new shelter requirements which may arise during the project period, kindly clarify the framework proposed for ensuring proper technical standardization, lifecycle support and long-term maintainability of shelter infrastructure under the project.	
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 6 1	Section 3	Appendix-A Table-02 (2.1)	Company TurnOver: Turnover & Business Eligibility Criteria	The RFP specifies that the bidder should be in the business of OFC, Telecom, or EPC in underground utility (OFC, Power, Pipeline, Gas or other utility). Kindly clarify whether EPC experience in National Highways, Roads, HAM Projects, BOT Projects, Utility Corridors, Urban Infrastructure / Metro Stations Works, Industrial Infrastructure, Water Supply, Sewerage Networks and associated underground utility works executed for Government/PSU/Private sector clients shall be considered eligible under the definition of "other utility".	For the Clause mentioned in the RFP, "The Sole Bidder should be in the business of OFC Business or Telecom or EPC in underground utility (OFC or Power or Pipeline or GAS or other utility)." The Nature Of Business in underground utility works (such as water supply, sewerage, gas pipelines, power cables, and utility corridors) will be considered under "other utility", provided such works involve linear underground execution comparable to OFC works (e.g., trenching, ducting, laying, etc.). General civil infrastructure projects such as roads, highways,

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					HAM/BOT projects, metro/buildings, and industrial works shall not be considered for eligibility under “other utility”, unless the bidder explicitly demonstrates, with clear and verifiable documentary evidence, a distinct and substantial scope of linear underground utility works comparable to OFC execution. Final determination shall be based on documentary evidence and relevance to OFC-type works, as evaluated by GFGNL. However, if required GFGNL is authorized to verify the evidence proof submitted by bidder. For better clarity, The provided work

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					should be comparable in nature, scale, and execution methodology to UG OFC deployment, like, Trenching / HDD, Ducting / pipeline laying should be measurable length. The explanation above is for PIA's turnover business and not for the experience criteria. The Experience will be considered as per the terms and conditions mentioned in eligibility criteria of RFP.
1 6 2	Section 3	Appendix-A Table-02 Sr. A	Consortium Turnover Criteria	Considering the consortium turnover requirement of ₹4700 Cr. and lead bidder turnover requirement of minimum ₹2350/1900 Cr, kindly relax the minimum turnover requirement of other consortium members from minimum ₹400 Cr. to ₹250 Cr. to encourage wider participation while maintaining financial robustness of the consortium.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 6 3	Section 3	Appendix-A Table-02 Sr. D	Active Equipment Experience (Numbers) Consortium Partner and/or Lead Bidder	Kindly clarify the definition of "Active Equipment". Whether routers, L2/L3 switches, OLT, DWDM, OTN, MPLS, SDH, EMS/NMS equipment shall be considered for experience evaluation.	Bidder is advised to refer Clause 3.1 (Pre-qualification Criteria), particularly definition under Active Equipment Experience, for the defined eligibility requirements. It is further clarified that only those experiences which meet the prescribed criteria and are clearly aligned with the scope defined in the RFP shall be considered during evaluation. Any interpretation beyond the stated provisions of the RFP shall not be considered.
1 6 4	Section 3	Appendix-A Table-02	Telecom Experience	Kindly clarify whether experience executed for Government, PSU, Private Telecom Operators, ISP, Data Centre, Utility and Smart City projects shall be considered eligible for telecom infrastructure experience.	Bidder is advised to refer various notes mentioned in Clause 3.1 (Pre-qualification Criteria), for type of work experience to be considered

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					during bid evaluation
1 6 5	Section 4	Clause 4.38	Performance Bank Guarantee (PBG)	We request separate Performance Bank Guarantees towards CAPEX, Existing Network O&M and Phase-III O&M. Considering the large project value, long-term O&M obligations and significant impact on bidder working capital and banking limits, bidders request GFGNL to consider either (i) reducing the PBG percentage or (ii) allowing a single consolidated PBG or (iii) introducing a phased reduction mechanism linked to successful project milestones and completion of O&M obligations. Request GFGNL to reduce cumulative PBG requirements considering the large project size and long-term O&M obligations.	No change. The provision shall remain as per the RFP.
1 6 6	Section 4	Clause 4.58	Liquidated Damages	Kindly confirm whether cumulative LD shall be capped at 10% of the respective work order value.	Bidders are advised to refer to Clause 7.3 of the RFP for provisions on LD.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 6 7	Section 5	Clause 5.3	Handover of Existing BharatNet Network	Request GFGNL to provide district-wise inventory of existing Phase-I and Phase-II assets, including OFC, shelters, OLTs, switches, DWDM, OTN, RFMS and associated AMC obligations before bid submission.	Please refer given Annexures with RFP document.
1 6 8	Section 5	Clause 5.3.1	Existing Network Handover	Kindly clarify whether any assets handed over to the PIA are currently under warranty/AMC. If yes, details of warranty period and OEM support may please be shared.	Please refer Clause 5.23.9 OTHER NETWORK O&M PARAMETERS
1 6 9	Section 5	Clause 5.4	Site Survey & Planning	Kindly confirm whether any survey reports, GIS route maps, ROW drawings and existing network route data will be shared with the successful bidder to reduce survey timelines.	GFGNL shall provide the available reports, GIS route maps, RoW drawings and existing network route data will be shared with successful bidder on best effort basis
1 7 0	Section 5	Clause 5.13	Alternate Technology Implementation	Kindly clarify the percentage and locations where alternate technologies (Radio, Satellite, UBR, etc.) may be permitted in lieu of OFC.	Please refer Clause 5.13 ALTERNATE TECHNOLOGY IMPLEMENTATION
1 7 1	Section 5	Clause 5.15	S-NOC Implementation	Kindly provide sizing details of NMS, EMS, GIS, Security Systems, Storage and Compute Infrastructure expected under S-NOC implementation.	Since Bidder shall provide all of these modules and respective equipment, Bidder shall decide the sizing of the same.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 7 2	Section 5	Clause 5.18	Revenue Village Connectivity	Kindly provide district-wise village connectivity quantities and tentative timelines for execution under on-demand village connectivity scope.	Please refer Clause 5.18 LAST MILE CONNECTIVITY TO THE VILLAGES (Revenue Village Connectivity)
1 7 3	Section 5	Clause 5.19	Enterprise Horizontal Connectivity	Kindly clarify minimum committed quantity of enterprise horizontal connectivity to be maintained during O&M for financial estimation purposes.	Pl see updated annexure enclosed in master RFP for ready reference.
1 7 4	Section 5	Clause 5.22	Right of Way (RoW)	Kindly clarify whether GFGNL will facilitate RoW permissions from State Government departments, Municipal Corporations, Panchayats and National/State Highway Authorities.	Please refer clause 5.22 RIGHT OF WAY
1 7 5	Section 5	Clause 5.22	RoW Charges	Kindly clarify whether statutory RoW charges, restoration charges and utility shifting costs shall be reimbursed at actuals or are deemed included in the bid price.	RoW charges will be paid by GFGNL as per Clause 5.22 RIGHT OF WAY. Restoration is within scope of bidder
1 7 6	Section 5	Clause 5.23	Operation and Maintenance (O&M) Scope	Kindly clarify whether diesel, electricity, utility charges and shelter rentals are included in bidder scope or shall be reimbursed separately.	Electricity charges and shelter rentals if any will be paid by GFGNL/state. Rest will be in bidder's scope. Refer the clause in section 5.12(xiii) and other corresponding clauses and Clause

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					7.10.2.2 notes (V/VI)
177	Section 5	Clause 5.23.13	FRT Deployment	Kindly provide district-wise requirement and minimum number of Fiber Restoration Teams to be deployed during O&M.	Please refer clause 5.23.12 RESOURCE REQUIREMENT FOR FIELD OPERATIONS
178	Section 5	Clause 5.24	Independent Engineer (IE)	Kindly clarify whether IE observations and measurement reports shall be binding for payment certification and dispute resolution.	Understanding is correct for Payment reports and for Dispute resolution pls refer 4.35 RESOLUTION OF DISPUTES
179	Section 6	Clause 6.4	Payment Schedule	Request GFGNL to provide milestone-wise CAPEX payment percentages against survey, material supply, installation, commissioning, Preliminary Acceptance Test (PAT), FAT and Go-Live stages.	No change. The provision shall remain as per the RFP.
180	Section 6	Clause 6.4	Payment Release	Kindly confirm the timeline for certification and payment release after submission of bills certified by the Independent Engineer.	Refer the preceding query response in Sr. nu.132
181	Section 6	Clause 6.5	O&M Payments	Kindly clarify whether O&M payments shall be made monthly, quarterly or annually and the exact payment cycle after invoice submission.	Bidder is advised to refer the Clause 6.5, "O&M Payments" carefully. However, the clause is reproduce herewith

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					, i.e., ".....II. O&M payment will be paid GP wise after completion of every quarter, based on the SLAs (averaged over a block, counting only GPs under AMC) during the O&M phase....."
1 8 2	Section 6	Clause 6.5	Existing Network O&M	Kindly clarify whether O&M payment for existing Phase-I and Phase-II network shall commence immediately from handover date irrespective of network health condition.	O&M payment for existing Phase-I and Phase-II network shall commence from the effective handover/takeover date, but shall be governed by Clause 6.5, Section-5.23 (O&M Scope), and Section-7 (SLA & Penalty provisions) and other applicable terms and conditions mentioned in the RFP subject timely submission of valid document proofs.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 8 3	Section 6	Clause 6.7	Definition of 100% Go-Live	Kindly clarify whether delays due to pending power availability, site access issues, RoW permissions and customer dependencies shall be excluded from Go-Live milestone calculations.	For the Relaxations in delay delivery, Refer the RFP Clause, 4.75.3 and further with valid evidences on non-attributable to PIA will be eligible for exclusion.
1 8 4	Section 7	Clause 7.10.2.7	MTTR Penalty	Request GFGNL to exclude delays caused due to law and order issues, flood, cyclone, RoW restrictions, utility damages and third-party interventions from MTTR calculations.	Bidders are advised to refer Clause 7.10.2.18 (Exclusion) and Clause 4.25 (Force Majeure Events) of the RFP. Delays arising due to events beyond the control of the PIA, shall be governed as per the provisions specified in the aforesaid clauses.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 8 5	Section 7	Clause 7.10.2.8	OFC Cut Restoration Penalty	Kindly clarify whether penalties shall apply in case of fibre cuts caused by Government agencies, utility contractors, highway contractors or natural calamities.	The selected bidder shall be responsible for continuous monitoring of existing assets through deployment of Field Response Teams (FRTs) and other necessary resources. The bidder must fully understand the critical nature of the service industries like ISP/Telecom/Bharat Net service environment, where any disruption to assets may adversely impact end-customer services. Accordingly, the bidder shall ensure round-the-clock (24×7) proactive monitoring and rapid response mechanisms. However, bidders are advised to refer

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					to Clause 7.10.2.18 (Exclusions) and Clause 4.25 (Force Majeure Events) of the RFP. Any delays arising due to circumstances beyond the control of the Project Implementing Agency (PIA) shall be governed in accordance with the provisions specified under the aforementioned clauses.
1 8 6	Section 7	Clause 7.10.2.16	Spare Availability Penalty	Kindly clarify minimum mandatory spare inventory quantity and location-wise stocking requirements expected from PIA.	No change. Further, The Bidder is advised to study and analyze during the HoTo(handover takeover) process in the network and ensure on arrangement of suitable quantity of Spare for SLA achievement.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 8 7	Section 7	Clause 7.10.2.17	Manpower Penalty	Kindly clarify whether manpower deployment can be adjusted dynamically based on network stabilization and automation during O&M phase.	No change. The provision shall remain as per the RFP.

1 8 8	3.1 PRE- QUALIFI CATION CRITERI A	3. Experience	Offered Product (OEM) NMS Experience: Deployment and maintaining of NMS including Helpdesk-Ticketing solution as a bundle, with Minimum 3 projects comprising of both each catering to managing minimum 12,000 network devices during last 7 years OR Minimum 2 projects each catering to minimum 15,000 devices during last 7 years Or Minimum 1 projects each catering to minimum 24,000 devices during last 7 years Definition: Network devices will be same as mentioned above in active devices experiences.	In similar large-scale BharatNet/S-NOC implementations, such qualification criteria were not prescribed. We appreciate the inclusion of prior deployment experience criteria in the present RFP to ensure selection of a proven and capable OEM. However, the current eligibility criteria may limit participation of otherwise qualified and proven OEMs. We kindly request consideration of the following: • The project-wise slab criteria (3 projects of 12,000 devices / 2 projects of 15,000 devices / 1 project of 24,000 devices) restricts participation of proven OEMs. The objective should be to assess the OEM's overall capability and experience in managing large-scale network environments, which may be demonstrated through cumulative deployments across multiple projects. Accordingly, we kindly request that the experience criteria be considered based on managing a cumulative minimum of 50,000 active network devices across one or more eligible projects, including NMS and Helpdesk/Ticketing solutions. • The definition of network devices based on specific device categories is also restrictive. In large-scale deployments, the monitored infrastructure typically comprises heterogeneous devices across multiple technology domains, and the same device categories may not necessarily be present in every project. Accordingly,	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision
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				qualification may be considered based on the total number of active monitored devices rather than specific device types. So, we kindly request to relax and amend the clause as below: "Offered Product (OEM) NMS Experience: Deployment and maintenance of NMS including Helpdesk-Ticketing solution as a bundle, with experience of monitoring and managing a cumulative minimum of 50,000+ active network devices across one or more projects executed during the last 7 years. Reference PO copy and completion/sign-off document need to be submitted. Definition: Network devices shall include all active devices being monitored and managed through the proposed solution."	
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
189	8.1 SCHEDULE OF REQUIREMENTS (SOR)	17.2	SITC Of Network Management System having combined functionality of BSS, OSS, CRM, Helpdesk- grievance management and Inventory and asset management.	We understand that NMS/EMS, OSS, BSS, CRM, and Helpdesk are distinct product categories and may be offered by different OEMs/products by bidders as part of the overall solution. This approach enables deployment of the most suitable, proven, and engineered solution for each functional domain while ensuring better technology alignment and operational effectiveness. Accordingly, we understand that bidders may propose solutions from different OEMs for the respective functional components, while ensuring the overall functional requirements. Kindly confirm if our understanding is correct.	Understanding is correct. However MAF is to be provided for each module from each individual supplier or OEM. Its bidder's responsibility to integrate all of them as per RFP ask of functionality. Pl see updated Clause in corrigendum-III /Master RFP with annexure-XX(MAF Required list)
190	5.15 SCOPE OF WORK FOR STATE-NETWORK OPERATIONS CENTRE (S-NOC) IMPLEMENTATION	16	PIA shall be responsible to provide separate logins (NMS/EMS, OSS+BSS+CRM, Helpdesk etc.) for multiple agencies and shall be responsible for maintain audit trail	To have accurate sizing, licensing, and BOM estimation we kindly request you to provide the number of agencies for which separate logins are required, along with the number of users and concurrent users to be considered for NMS/EMS, OSS, BSS, CRM, Helpdesk	Pls see revision. Below mentioned requirement is indicative. However, Bidder has to ensure the seamless experience for accessing the Module/tools/dashboards and should not be any license limitations. Minimum User Count • Admin

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					User: Min. 6 Users • Role based access Users: Min. 150 Users • Viewing/Report Fetching Rights: Min. 100 Users • Customized Dashboard Min. 300 Users • Concurrency -100
1 9 1	5.15 SCOPE OF WORK FOR STATE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	25	NOC shall support language like English, Hindi and Gujarati for URL and IP database and Dashboard for compliance related requirement.	We understand that the multilingual requirement (English, Hindi, and Gujarati) is primarily applicable to citizen-facing portals, dashboards, and web applications and may not be applicable to backend enterprise platforms such as NMS, OSS, BSS, Inventory Management, and Asset Management solutions. Kindly confirm if our understanding is correct.	Refer the Preceeding Response in Query 20

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 9 2	5.15 SCOPE OF WORK FOR STATE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	27	The PIA shall provide a centralized S-NOC Data Lake to ingest structured and unstructured data from NMS, OSS, BSS, CRM, Helpdesk and Inventory systems.	The Data Lake Solution is mandated under the Scope of Work for S-NOC Implementation ; however, it is not reflected as a line item in the Schedule of Requirement (SoR). Since the scope and the SoR must be aligned, it is requested that the Data Lake Solution be added as a distinct SoR line item to enable accurate and comparable bidder pricing.	Please refer the updated clause in corrigendum/Master RFP
1 9 3	5.15 SCOPE OF WORK FOR STATE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	28	The Data Lake shall support analytics for network status trends, utilization trends, SLA performance, risk visualization and performance optimization insights		Please refer the updated clause in corrigendum/Master RFP

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 9 4	5.15 SCOPE OF WORK FOR STATE- NETWO RK OPERATI ONS CENTRE (S-NOC) IMPLEM ENTATI ON	27	27. The PIA shall provide a centralized S-NOC Data Lake to ingest structured and unstructured data from NMS, OSS, BSS, CRM, Helpdesk and Inventory systems.	We kindly request you to pls provide the expected daily data ingestion volume (in GB/TB), retention period, and anticipated annual growth rate to be considered for the proposed Data Lake for accurate sizing of hardware compute and storage, as well as for appropriate BOM.	Please refer the updated clause in corrigendum/Master RFP
1 9 5	55. MIS Report:	5	Network KPIs (Up/Down Status), SLA Monitoring, Real time Traffic Monitoring, Threshold Alerts, and Zoom-in Analysis down to the port and IP level. Historical reports for various periods.	We kindly request you to pls provide the expected traffic data volume to be collected per day (in GB/TB), the number of devices/interfaces from which traffic data is to be monitored, and the retention period to be considered for accurate sizing and appropriate BOM.	The bidder shall size the proposed solution based on the network infrastructure and functional requirements defined in the RFP. The solution shall be scalable and capable of monitoring all network devices, interfaces and services covered under the project, including real-time traffic monitoring,

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					KPI monitoring, SLA monitoring, threshold-based alerts, drill-down analysis up to port/IP level, and historical reporting. The bidder shall propose adequate sizing, storage and retention mechanisms to meet the functional and performance requirements specified in the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 9 6	Business Support System (BSS)	1	The BSS shall maintain records of dark fiber leasing and bandwidth leasing provided to Service Providers and other eligible entities.	To have accurate understanding of the requirement, We kindly request you to pls provide the following details: • DBN-mandated revenue-sharing framework, including the stakeholders involved and the applicable revenue-sharing rules/mechanisms. • Whether revenue-sharing calculations are required to be performed within the proposed BSS solution or whether the solution is only required to generate the relevant revenue data and reports. • Required frequency of monetization and revenue-sharing reports. • Whether revenue reporting is required separately for different services such as dark fiber, bandwidth, FTTH, VAS, etc., or as a consolidated report. • Any prescribed report formats/templates or integration requirements for submission of monetization and revenue-sharing reports.	The BSS shall maintain records of all leased assets and services including dark fiber, bandwidth, FTTH and other services as applicable. The solution shall be capable of supporting DBN guidelines, reporting requirements, monetization mechanisms and revenue-sharing models as amended from time to time. The BSS shall support configurable report generation, data extraction and revenue-related reporting. Detailed business rules and report formats shall be finalized during implementation, if required. No Change as per RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 9 7	Business Support System (BSS)	2	The system shall track utilization of leased assets and services to support monitoring and reporting as required by DBN.	We kindly request you to pls provide the following details for accurate sizing and solution design: • The utilization parameters to be monitored and reported (e.g., bandwidth utilization, uptime, latency, throughput, etc.). • The reporting formats/templates required by DBN, if available. • The required data collection granularity and retention period for utilization records. • Whether the utilization reports are required to be directly integrated/submitted to any DBN portal/system or only generated/exported through the proposed solution.	The BSS shall capture, maintain and report utilization information of leased assets/services as required for operational monitoring and DBN compliance. The proposed solution should support configurable utilization parameters, reporting formats, data retention policies and export capabilities. Any future integration requirements with external systems shall be supported through standard APIs/interfaces.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 9 8	Business Support System (BSS)	3	The BSS shall capture and report FTTH connection data and subsidy-linked information required for DBN reporting.	To have accurate understanding of the requirement, We kindly request you to pls provide the following details: • Number of currently active FTTH subscribers and the projected subscriber growth during the contract period. • DBN-prescribed data fields, report formats/templates, and integration requirements for FTTH and subsidy-related reporting. • Source system for subsidy-related data and details of any existing data migration requirements. • Whether the proposed BSS solution is required to integrate with DBN systems for automated submission of FTTH/subsidy data or whether report generation/export functionality would be sufficient	The BSS shall capture and maintain FTTH subscriber and subsidy-related information as required under DBN guidelines. The bidder shall provide a scalable solution capable of supporting current and future subscriber growth. The system shall support configurable reporting, data migration and integration capabilities through standard APIs/interfaces wherever required.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
1 9 9	Business Support System (BSS)	4	The system shall generate structured reports to support DBN-mandated monetization and revenue-sharing mechanisms.	To have accurate understanding of the requirement, We kindly request you to pls provide the following details: • DBN-mandated revenue-sharing framework, including the stakeholders involved and the applicable revenue-sharing rules/mechanisms. • Whether revenue-sharing calculations are required to be performed within the proposed BSS solution or whether the solution is only required to generate the relevant revenue data and reports. • Required frequency of monetization and revenue-sharing reports. • Whether revenue reporting is required separately for different services such as dark fiber, bandwidth, FTTH, VAS, etc., or as a consolidated report. • Any prescribed report formats/templates or integration requirements for submission of monetization and revenue-sharing reports.	The BSS shall generate monetization, revenue and revenue-sharing reports as required by DBN. The solution shall support configurable business rules, report formats and periodic reporting requirements. Detailed reporting formats and business rules, if any, shall be shared during implementation.
2 0 0	Business Support System (BSS)	5	The BSS shall provide data outputs suitable for integration with DBN systems, Controller of Communication Accounts (CCA) and audit processes.	We kindly request you pls clarify that is the BSS expected to directly integrate with DBN/CCA portals via API, or is file-based export (CSV/XML) is acceptable.	The BSS shall provide open standards-based integration capabilities. The proposed solution

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					should support both API-based integration and file-based data exchange mechanisms (such as CSV/XML/JSON) for interfacing with DBN systems, CCA systems and audit requirements, as applicable.
2 0 1	Business Support System (BSS)	8	Controlled access for finance, operations and management.	To have accurate understanding of the requirement, We kindly request you to pls provide the following details: • Number of users to be considered for the proposed BSS solution, along with the expected user roles (Finance, Operations, Management, Administrator, Auditor, etc.). • Whether integration with an existing Active Directory (AD), LDAP, SSO, is required. • Any specific access control, data privacy, or data residency requirements to be considered for the proposed solution.	The BSS shall provide role-based access control (RBAC) with configurable user roles and privileges. The solution shall support integration with enterprise authentication systems such as AD/LDAP/SSO, if required. User counts, role definitions and access policies shall be finalized during implementation. All applicable security, privacy and audit

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					requirements shall be supported.
202	Business Support System (BSS)	9	Integration with CRM, OSS, Inventory and PMIS.	To have accurate understanding of the requirement, We kindly request you to pls provide the following details: - Existing systems that are required to be integrated with the proposed solution, along with OEM/vendor details. - Integrations that are mandatory at Go-Live and those that may be implemented in a phased manner. - Expected data volume and synchronization frequency for each integration. - Any peak-load or performance requirements to be considered for the integrations.	The BSS shall integrate with CRM, OSS, Inventory, PMIS and other enterprise systems as required. Bidders shall provision standard APIs/web services and integration frameworks to support such integrations. Detailed interface specifications, data volumes and implementation priorities shall be finalized during the

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					implementation phase.
203	Business Support System (BSS)	10	Tariff and non-discriminatory access compliance support.	To have accurate understanding of the requirement, We kindly request you to pls provide the following details: • Applicable tariff framework for dark fiber, bandwidth, FTTH, and other services, including any floor price, ceiling price, or special tariff categories, if applicable. • Specific non-discriminatory access requirements and compliance obligations to be supported by the proposed solution.	The BSS shall support tariff management and non-discriminatory access requirements in accordance with applicable DBN/GFGNL. The solution shall provide configurable tariff structures, approval workflows, audit trails and compliance reporting capabilities.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 0 4	Section 3	IV -6	MAF	You have limited the number of MAF to only two OEMS for all passive and active equipments which will restrict the competition and bidders option to only two OEMs. Hence we request you to consider to allow the submission of MAX 4 (four) MAF for all active and passive items in sync with the other Bharatnet tenders for equality and fair competition.	No change. The provision shall remain as per the RFP.
2 0 5	Section 3	IV	Appendix # A -Notes : 2 (page # 46)	You have restricted the bidders to quote only two MAFs (Primary and secondary) which will restrict the competition by limiting the supply options for bidder to only two OEMs. This clause will result in restricting the competition among OEMs and will lead to undue advantage to certain OEMs whose solutions are already deployed in Phase I and Phase II of GFGNL/Bharatnet. Hence kindly consider to allow bidders to submit MAX 4 MAFS for all active and passive items without and primary or secondary declaration to increase fare competition and provide fare and equal opportunity to all eligible OEMs to enhance the supply options for bidders with competitive price. Please consider to amend this clause in accordance with other Bharatnet tenders for equality and fair competition.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
206	Section 10-SPECIAL TECHNICAL CONDITIONS	Annexure A	Item 25 of annexure A-TEC GR list	Please confirm that the valid TSEC acquired for RFMS system against TEC GR # TEC 88150:2015 with latest amendment and earlier BSNL bharatnet tender No. MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024 based on TEC 88150:2015 with amendment No.1 will be considered valid and acceptable for supplying RFMS against this tender and OEM does not require to take separate TSEC against this tender to supply their RFMS against this tender.	Pls read the RFP Clauses - 3.1>> table sr. no.6, notes -2 (VI) and 6.6.2 (j), Annexure-A Sr. No.25
207	SECTION -6	6.6.2-j-table item Sr. No.13	TSEC requirement	Please confirm that the valid TSEC acquired for RFMS system against TEC GR # TEC 88150:2015 with latest amendment and earlier BSNL bharatnet tender No. MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024 based on TEC 88150:2015 with amendment No.1 will be valid and acceptable and RFMS vendor would not be required to take separate TSEC against this tender for supplying RFMS in this tender. Please note that same practice has been adopted in earlier bharatnet tenders for considering the TSEC taken for RFMS against earlier bharatnet tenders were considered valid for supply in all new BSNL bharatnet/State Bharatnet tenders for uniformity of solution.	Refer the Section 10-Annexure A: TECHNICAL SPECIFICATIONS , "TEC-GR Standards list",TEC 88150:2015 with latest amendment is accepted.Further, bidder is advised to refer Section , 3.1- 6 for more clarity.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
208	Section 6	6.6.2/ Pg.267	9. Rack at Block locations- TSEC Required	The required Block rack is standard Server Rack and qty is small , not justified for TSEC approval process . TSEC requirement for Block/shelter rack to be removed	Please refer updated technical specification of rack at Sub-block/master-block. However,TSEC for Rack shall be obtained as per Technical Specifications mentioned in the RFP
209	Section 10	Annexure A: TECHNICAL SPECIFICATIONS / Pg. 396	13. Installation Accessories and fixtures of Self-Supporting Metal free Optical Fibre Cable 18/06/26 TEC GR Standard No.: TEC 87060:2017, with latest amendments if any	Please confirm Typw I or Type II accessories are required as per stated TEC standard	Pls refer RFP clause - Annexure-D >> 3.6.4 note
210	Section 10	XIV Rack at Sub- Block/ Shelter locations for Phase 1 & 2 both/ Pg. 428	Other Specs The Rack should conform to DIN 41494. All products/OEM should be certified according to ISO 9001, 14001, ISO45001 and IS 13252: PART 1 (2010) & IEC, 60950-1 Protection category: IP55: IS/IEC 60529: 2001. Certificate from NABL accredited lab shall be attached	The required Block rack is standard Server Rack and qty is small , not justified TSEC approval . TSEC requirement for Block/shelter rack to be removed . The clause is applicable for GP racks only	No change. The provision shall remain as per the RFP.
211		XIV Rack at Sub- Block/ Shelter locations for Phase 1 & 2 both/ Pg. 428	TSEC for Rack (at Block & GP) shall be applied at the time of bid submission and obtained before the supply as per Technical Specifications mentioned in the RFP	The required Block rack is standard Server Rack and qty is small , not justified TSEC approval . TSEC requirement for Block/shelter rack to be removed . The clause is applicable for GP racks only	No change. The provision shall remain as per the RFP.
212		3.6/ Pg. 542	Type of Accessories and Fixtures	The details given are as per Type I accessories s per TEC GR Standard No.: TEC 87060:2017	Pls refer RFP clause - Annexure-D >> 3.6.4 note

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 1 3	SECTION -3 ELIGIBILI TY CRITERI A/Pg. 40	3.1 PRE- QUALIFICATIO N CRITERIA	Documentary evidence such as Authorization letters, MAF (Annexure XVI) from all OEM/Vendors whose products are being quoted by the Bidder need to be attached in the bid.	We understand that MAF will be required for the following line items also: 1.Desktop Planning Tool, 2.Inventory Management Tool, 3.Workforce Management (WFM) Tool, 4.Project Management (PM) Tool, 5.Depth Measurement Tool, and 6.Measurement Book (MB) Software Tool 7. Survey with Mobile App 8. HOTO with Mobile App	For Better Clarity for the bidder, pl refer the seprate annexure for MAF Required for bidding process,These are indicative requirement, anything missed and required and mentioned in the RFP document or required for mandatory deliverables should be supply with MAF during bid submission Process as per the format given

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 1 4	SECTION -3 ELIGIBILITY CRITERIA/ Pg. 34	3.1 PRE- QUALIFICATION CRITERIA	IV. Following are the common criteria for eligibility for submitting bids in the tender for the purpose of tender evaluation.	We request GFGNL to incorporate the following clause /criterion for GIS Software in the RFP to ensure smooth implementation and effective monitoring of the project: 'The bidder shall provide the following tools from an experienced OEM. The OEM should have successfully implemented the proposed tools in at least two projects, out of which at least one implementation should have been carried out under the BSNL BharatNet project.' (Desktop Planning Tool, Inventory Management Tool, Workforce Management (WFM) Tool, Project Management (PM) Tool, Depth Measurement Tool, and Measurement Book (MB) Software Tool).	No change. The provision shall remain as per the RFP.
2 1 5	SECTION -5 SCOPE OF WORK/ Pg.128	ii. ABP-Gujarat (BharatNet Phase-III):	Scope Counts of Phase-III	Please confirm the total laid linear OFC route kilometers (RKM) connecting the Gram Panchayats (GPs) that require upgradation. This information is required to assess the overall scope of desktop planning and estimate the corresponding OFC RKM for planning activities.	The Bidders are advised to refer the clause in "5.23.3.2 MIS REPORTS- a- (Vii)" ,furhter for critical component, GIS and NMS support can be extended by signing of NDA with GFGNL on time bound manner.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 1 6	SECTION -5 SCOPE OF WORK/ Pg.128	ii. ABP-Gujarat (BharatNet Phase-III):	Scope Counts of Phase-III	Please confirm the scope of the total RKM to be laid and Existing RKM for fiber helth checkup.	PI see preceeding response in Query-215.
2 1 7	SECTION -2 INTROD UCTION /Pg. 121	4.77 PUBLIC PROCUREMENTS- MAKE IN INDIA (MII)	u. Alternatively, the bidders can provide all documents/ information to GFGNL for application on trusted portal, in their technical bid. The format for submission of information (to be submitted with technical bid) is enclosed.	We request GFGNL shall include the requirement for a 'Trusted Portal Certificate' for all software including GIS as per DOT/Government of India guidelines, be made mandatory at the project's outset, before awarding the contract. This will ensure that only eligible bidders participate, allowing for seamless project execution without delays.	No change. The provision shall remain as per the RFP.
2 1 8	SECTION -5 SCOPE OF WORK / Pg.186	5.17 MEASUREME NT	I. Measurement Book (MB): The measurement books are to be maintained by the PIA. The entry shall be made in ink. No entry shall be erased. If a mistake is made, it should be corrected by crossing out the incorrect words or figures and inserting the corrections, the corrections thus made shall be initialed & dated by the bidder. The measurement books shall invariably be consulted at the time of making final payments to the bidder. Here, Pls consider analogy of physical entry with digital entry. The PIA shall provide mobile application for the digital measurement book and it is responsibility of the PIA to abide with purpose of measurement / penalty associated with this work.	We understand that Automatic Digital Measurement Book need to be created by PIAs for their Final Payment. Their is a conflict between the clause it is mentioned that PIA shall Measurement book manually by using 'ink' pen where entries cannot be erased. But in furthur , Annexure-E, 3.1 Digital measurement book: it is expected that data of Digital Measurement book will be recorded Digitally & Automatically by Mobile app. We request you to please amend this requirement with Digital Measurement Book.	PIA shall provide both manual and digital records since C-NOC require digital measurement book through videography, competibility can be achieved through digital measurement book only. However to at state level manual process of measurement can

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					also be followed if require.
2 1 9	SECTION -10 SPECIAL TECHNIC AL CONDITI ONS/ Pg. 574	Annexure-E TECHNICAL SPECIFICATIO N FOR GIS MAPPING OF OFC ROUTES AND PROJECT MANAGEMENT TOOL	• Accuracy: sub meter level accuracy (20cm).	We understand that the required accuracy for data capture during both the survey and execution phases shall be better than 20 cm. Kindly confirm whether our understanding is correct.	The record of Block, GP and any utility shall be maintained within a 50-meter corridor with an accuracy of 20 cm (25 meters on each side of the road's center line or within the road's right-of-way, whichever is greater)

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 2 0	SECTION -5 SCOPE OF WORK/ Pg.135	5.4 SITE SURVEY AND PLANNING	b) The PIA shall deploy a GIS based planning tool for desktop planning. The tool based on the Geo coordinates of the Block and the GPs shall provide the initial optimal path of the connectivity using road data. The PIA shall use such initial plan for physical site survey.	Please confirm whether the GIS planning tool proposed for desktop planning is automated and supports auto-optimized path/route generation, similar to the functionality implemented in the BSNL BharatNet project.	GFGNL is not restricting bidder to provide automated support auto optimized path/route generation but desktop planning shall be able to provide the estimated project cost and assistive approach in execution.
2 2 1	SECTION -10 SPECIAL TECHNIC AL CONDITI ONS/ Pg. 583	2.4 Digital As-Built Drawing (ABD)/ digital ITP Sheet:	Depth profile of cable at every 10 Meter (Details to be captured from HDD Graph / Measurement Book	To avoid any alteration or manipulation of depth measurement values, the depth profile shall be captured automatically from the DGPS device and HDD locator without any manual intervention. The captured depth information shall be automatically synchronized with the inventory software, including Latitude, Longitude, Depth Value, Depth Image, and other relevant parameters. Kindly confirm whether our understanding is correct.	Depth profile of cable at every 10 Meter (Details to be captured from HDD Graph / Measurement Book preferably using the automation between Mobile app and DGPS with highest accuracy without human intervention.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 2 2	SECTION -8 FINANCIAL BID/Pg. 301	8.1 SCHEDULE OF REQUIREMENTS (SOR)	SITC Of Geographical Information System (GIS)	We understand that the following item are the part of GIS solution. Please confirm. 1.Desktop Planning Tool, 2.Inventory Management Tool, 3.Workforce Management (WFM) Tool, 4.Project Management (PM) Tool, 5.Depth Measurement Tool, and 6.Measurement Book (MB) Software Tool 7. Survey with Mobile App 8. HOTO with Mobile App	No change. The provision shall remain as per the RFP.
2 2 3	SECTION -10 SPECIAL TECHNICAL CONDITIONS/Pg. 479	XXXI. Geographical Information System (GIS):	XXXI. Geographical Information System (GIS):	We understand that the new Vendor will upgrade the existing GIS set up with the new features as mentioned in place of replacement of the existing GIS network Inventory. Please confirm.	Successful Bidder shall take the handover of the existing system as is where is basis as per NOC delivery timeline, it is bidder's responsibility to migrate the existing system to new single platform for better monitoring of existing and new network assets.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 2 4	SECTION -8 FINANCI AL BID/Pg. 308	8.3 FINANCIAL BID DETAILS	SITC Of Geographical Information System (GIS)	We understand that the bidder must quote the following item as a part of GIS solution individually. Please confirm. 1.Desktop Planning Tool, 2.Inventory Management Tool, 3.Workforce Management (WFM) Tool, 4.Project Management (PM) Tool, 5.Depth Measurement Tool, and 6.Measurement Book (MB) Software Tool 7. Survey with Mobile App 8. HOTO with Mobile App	No change. The provision shall remain as per the RFP.
2 2 5	Section 10 - Annexur e B	XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP (page no. 420)	Type - Online for GR 66140:2019 or latest updates without any Hybrid functionality	GR 66160:2024 or latest is best suited for this requirement as it has dual rectifier, Li-ion battery BMS communication , SNMP communication etc. In the last year Tender of GFGNL (which has been cancelled later) , TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable was mentioned in clarification dated 25th April 2025. Accordingly, we suggest and request to change the GR no. in this tender also.	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 2 6	Section 10 - Annexur e B	XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP (page no. 420)	Temp range Limitation - Max up to 55	UPS complying to GR 66160: 2024 is designed to withstand such a high temperature.	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.
2 2 7	Section 10 - Annexur e B	XIV. Rack at GP Locations (Page no. 426)	Misc - All enclosure panels are single walled boltable from inside with earthing to be done on all flat parts	If the panels are designed to be boltable from the inside, they cannot be accessed for fastening once the unit is fully populated and installed at site. Therefore, it is requested to remove the "boltable from inside" requirement.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 2 8	Section 10 - Annexur e B	XIV. Rack at GP Locations (Page no. 427)	Frame Material -- Zinc magnesium coating or GI material with duly powder coated with UB resistant pure polyester with 25mm system punching in the roof and base frame plus vertical sections with two mounting levels, rolled out of a single sheet. Powder coated with UV Resistant pure polyester RAL 7035 Matt super durable with painting thickness of 80 to 120 microns minimum. Note: For, Zinc magnesium coating or GI material with duly powder coated with UB resistant pure polyester, the Objective is to purchase quality rack which should not deteriorate over a period of time minimum 10 years. It is the PIA's responsibility to provide quality and robust product line. Any deficiency during the contract period in case be observed at any given of time, then bidder has to replace the same without any additional cost to GFGNL	25mm system punching should be optional as this design is available with single OEM. Instead the point mentioned in the Note should only be referred.	It is optional, however bidder has to ensure quality as per given specifications.
2 2 9	Section 10 - Annexur e B	XIV. Rack at Sub- Block/ Shelter locations for Phase 1 & 2 both (Page no. 428)	PDU/MCB -- Should have min two nos. 32 Amp PDU(16Amp(6) , 32 Amp(2), 6 Amp (2)), each having min six nos. C13 sockets and six nos. 3-pin round socket	We understand that Block rack should have following distribution :- MCBs:- (a) 16A x 6 , (b) 32A x 2, (C) 6A x 2 Sockets:- (a) C13 sockets x 6 (b)3 Pin Round socket x 6	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
230	Section 10 - Annexure B	XIV. Rack at Sub- Block/ Shelter locations for Phase 1 & 2 both (Page no. 428)	Other specs -- The Rack should conform to DIN 41494. All products/OEM should be certified according to ISO 9001, 14001, ISO45001 and IS 13252: PART 1 (2010) & IEC, 60950-1 Protection category: IP55: IS/IEC 60529: 2001. Certificate from NABL accredited lab shall be attached	IP55 should be replaced with IP20 as this is an indoor rack.	No change. The provision shall remain as per the RFP.
231	Section 10 - Annexure B	XVIII. SMPS Battery (page no. 462)	Rectifier module / Capacity - a) Adequate capacity to cater DC load of 60Amp for electronic equipments. Rectifier modules of min 80 Amp (N+1) / 4KW to be supplied. Bidder has to consider charging current requirement for battery back-up separately. Selected Bidder can provide minimum 2 nos. rectifier modules each having minimum 80 Amp capacity per each SMPS. Since TEC GR for 80A is not available, 80A Rectifier with certified BIS and type test module with STQC/SGS will be qualified.	We suggest to write "OR" instead of "and" in the below sentence. 80A Rectifier with certified BIS and or type test module with STQC/SGS will be qualified. (we request for consideration about either of the certifications) As rectifier module is not a standalone component and it needs to be use with prewired cabinet/SMPS and hence does not fall under BIS testing	BIS and STQC both are different certifications. Hence required.
232	Section 5	5.12 - SCOPE OF WORK FOR BSNL EXCHANGE / SHELTER (page no. 154)	a) Existing Shelter of BharatNet Phase-II Infrastructure Upgradation - The bidder will be responsible to take over existing porta cabin/Shelter's along with it's active and passive equipments(existing as well as newly upgraded line items) and provide onsite comprehensive warranty for entire 10 years of contract duration.	With the understanding that existing batteries are VRLA, please suggest upgradation of the batteries for such site/shelter should be done with VRLA battery or same can be done with Li batteries. In such case, please suggest the Li battery rating.	Upgradation of the batteries for sites/shelter shall be done with Li-on batteries. Please refer Clause XVIII. SMPS Battery

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 3 3		Clause 5.12 – Scope of Work for BSNL Exchange / Shelter and related O&M provisions (Page No. 154 onward)	The tender includes deployment, upgradation and long-term O&M of telecom shelter infrastructure including more than 400 existing BharatNet shelters along with associated telecom power systems and environmental support infrastructure.	It is submitted that for proper interoperability, maintainability and long-term O&M support of telecom shelter infrastructure, the proposed Shelter OEM declaration/MAF should clearly specify the Battery Bank and SMPS make/model details proposed under the project. Telecom SMPS and Battery Bank systems deployed in telecom shelters generally require proper compatibility and coordination with shelter infrastructure for ensuring charging efficiency, thermal stability, load handling, maintenance accessibility, cable routing and long-term backup performance during network operations. Further, telecom power systems are normally integrated with monitoring/alarm systems for rectifier faults, battery health, mains failure, temperature alerts and DC system performance during long-term O&M operations. Considering that the project involves approximately 10 years O&M responsibilities together with stringent network uptime obligations, use of technically proven and reputed SMPS systems becomes important for better shelter efficiency, stable DC performance, alarm integration reliability and long-term operation of telecom shelter infrastructure. In this regard, kindly clarify whether Shelter	Pl see preceeding response in Query Sr. Nu. 78

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				OEM MAF/authorization is being obtained under the project, as the same becomes important for ensuring proper coordination, compatibility and integrated long-term support between shelter infrastructure and telecom power systems during the complete O&M period. Further, kindly clarify whether the proposed shelter infrastructure declaration/MAF shall specify Battery Bank and SMPS make/model details for ensuring interoperability, coordinated maintenance support and long-term maintainability during the O&M period.	

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 3 4	III. Technic al Specific ations for EMS of Routers point no.2	III. Technical Specifications for EMS of Routers point no.2	Protocol Support-MPv1/v2/v3, CORBA (Optional),, XML/JSON, CLI, NETCONF, TL1(Optional), Telnet, SSH, Rest API and HTTPS for network device communication	This clause appears to be OEM-specific and may restrict participation from other eligible OEMs. Therefore, we kindly request that this clause be removed or suitably modified to SNMPv1/v2/v3, XML/JSON, CLI, TL1(Optional), Telnet, SSH, Rest API and HTTPS for network device communication	No change. The provision shall remain as per the RFP.
2 3 5	III. Technic al Specific ations for EMS of Routers point no.9	III. Technical Specifications for EMS of Routers point no.9	Notifications and Alerts- Configurable alerts via SMS, email, and push notifications for critical events, with escalation mechanisms. EMS alerts should be capable of integrating with bidder's external SMS and email facilities.	We kindly request that this clause be removed or suitably modified to SMS/push can be integrated via gateway/API/custom script. EMS alerts should be capable of integrating with bidder's external SMS and email facilities. So that many eligible OEMs or bidders may participate.	No change. The provision shall remain as per the RFP.
2 3 6	III. Technic al Specific ations for EMS of Routers point no.11	III. Technical Specifications for EMS of Routers point no.11	Platform Compatibility-- Cross-platform support for Linux or and Windows or Unix, compatible with virtualized and cloud-based environments. The IT and Non IT infrastructure for hosting EMS is the responsibility of PIA except Power and space at data centre. The compute (VM) and storage of S- NOC will be provided by the PIA. The EMS and associated software including OS, RDBMS and other licenses in the name of GFGNL are in the scope of bidder without any additional cost to GFGNL.	We kindly request to the department to ammend mentioned clause as "Linux- based deployment. Windows/Unix may be accessed/monitored, but server-side deployment is mainly Linux. VM/cloud deployment is feasible." Sothat many skilled bidders or oem may participate.	No change. The provision shall remain as per the RFP.

2 3 7	III. Technical Specifications for EMS of Routers point no.21	III. Technical Specifications for EMS of Routers point no.21	Other- Selected bidder will have to supply EMS (Element Management System) for new network solution elements. Further, selected bidder & their OEM partner will have to integrate EMS with GFGNL's existing NMS (Network Management System) through API or any other suitable mechanism as per the requirement of GFGNL's NMS application and up to the satisfaction of GFGNL. The bidder shall propose the Storage as per the solution requirement. VM, RAM, Storage, CPU will be provided by bidder. All EMS server and other software license will be provided by Bidder. The processor loading at rated capacity of the network elements shall not exceed 70% of the total processor capacity. Server shall have dual redundant power supplies. All servers shall be rack mounted using rack mounting kits to be supplied by the server vendor (OEM). — NBI API Standards should be base - o T-API ONF - o IETF L3SM & L2SM - o SNMP — SBI API Standards should be based on - o Netconf, CORBA, CLI - o PCEP - o BGP-LS, LLDP - o gRPC/gNMI Centralized GUI Based SDN Controller Requires for End-to-End management of Network supporting Full FCAPS Functionality with additional features like Zero Touch Provisioning, Templates based service creation, representation of 3rd part NEs as Un-managed Elements and present various network audit and reporting features (Dash boards, PDF Reports etc).	No (FCAPS can be covered through MCTEMS. However, T-API ONF, L2SM/L3SM, NETCONF, PCEP, BGP-LS, gRPC/gNMI, SDN controller, ZTP and service-template automation are not fully native in this OSS stack and require custom adapters or separate SDN controller integration.)	No change. The provision shall remain as per the RFP.
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 3 8	3	3.1 Sno.3 : Experience/Pg .36	The EPC OFC Construction project execution shall consist of both Supply of all material and Construction of OFC Network,i.e., For underground (UG) activities, experience related to individual components such as separate OFC construction activities (e.g., trenching & ducting (T&D), horizontal directional drilling (HDD)), OFC laying, ducts, etc., shall not be considered independently.	If we have received PO for Supply of OFC on our company from one address and PO for Laying of OFC on our company at another address. Will it be considered as EPC OFC. Please confirm: Yes/No	Clause is self explanatory, No Change To qualify as EPC OFC experience, the project should be executed as an integrated EPC scope covering both supply and construction components together. Accordingly, submission of separate POs for supply and construction may be considered, provided the bidder submits clear and verifiable documentary evidence (such as client certification or contract linkage) explicitly establishing that the scope was executed as a single, end-to-end EPC OFC project (including both

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					supply and construction responsibilities). The bidder is advised to ensure that the submitted documents clearly demonstrate integrated EPC execution, as individual or unrelated components will not be treated as EPC experience. Further, the bidder is advised to strictly adhere to the RFP clause which states that individual or segregated components of OFC work shall not be considered independently for EPC qualification. The decision considered by GFGNL will be final.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 3 9	3	3.1 Sno.3 : Experience/Pg .36	The EPC OFC Construction project execution shall consist of both Supply of all material and Construction of OFC Network,i.e., For underground (UG) activities, experience related to individual components such as separate OFC construction activities (e.g., trenching & ducting (T&D), horizontal directional drilling (HDD)), OFC laying, ducts, etc., shall not be considered independently.	If Customer issues us Experience certificate of EPC OFC and as a backup we will produce seperte PO for Project and Separate PO for Supply of Duct and OFC. Will it be considered as EPC OFC. Please confirm: Yes/No	Refer the Preceeding Response in Query 238
2 4 0	3	3.1 Sno.3 : Experience/Pg .36	The EPC OFC Construction project execution shall consist of both Supply of all material and Construction of OFC Network,i.e., For underground (UG) activities, experience related to individual components such as separate OFC construction activities (e.g., trenching & ducting (T&D), horizontal directional drilling (HDD)), OFC laying, ducts, etc., shall not be considered independently.	Please confirm if separate experience of supply of OFC & construction of OFC Network by same bidder/consortium will be considered as eligible qualification Please confirm: Yes/No	Refer the Preceeding Response in Query 238
2 4 1	3	3.1 Sno.3 : Experience/Pg .36	The EPC OFC Construction project execution shall consist of both Supply of all material and Construction of OFC Network,i.e., For underground (UG) activities, experience related to individual components such as separate OFC construction activities (e.g., trenching & ducting (T&D), horizontal directional drilling (HDD)), OFC laying, ducts, etc., shall not be considered independently.	We understand that separate PO for Supply & EPC Work for qualifying QTY is accpetable - supported with single Experience certificate for both PO/WO's. Kindly confirm Please confirm: Yes/No	Refer the Preceeding Response in Query 238

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 4 2	3	3.1 Sno.3 : Experience/Pg .36	The EPC OFC Construction project execution shall consist of both Supply of all material and Construction of OFC Network,i.e., For underground (UG) activities, experience related to individual components such as separate OFC construction activities (e.g., trenching & ducting (T&D), horizontal directional drilling (HDD)), OFC laying, ducts, etc., shall not be considered independently.	In Experience Certificate backup, If First PO of Supply of OFC is 2 years after first PO of Laying, will it be considered as EPC?	Refer the definition mentioned in the Clause and Refer the Preceding Response in Query 238
2 4 3	3	3.1 Sno.3 : Experience/Pg .36	The EPC OFC Construction project execution shall consist of both Supply of all material and Construction of OFC Network,i.e., For underground (UG) activities, experience related to individual components such as separate OFC construction activities (e.g., trenching & ducting (T&D), horizontal directional drilling (HDD)), OFC laying, ducts, etc., shall not be considered independently.	In Experience Certificate backup, If First PO of Supply of Duct is 2 years after first PO of Supply of OFC, will it be considered as EPC?	Refer the definition mentioned in the Clause and Refer the Preceding Response in Query 238

2 4 4	3	Appendix A, Table 01, A/Pg. 43	Financial Turn Over (in Cr): 4700 Cr	We understand this criteria is humoungsly inflated vs other state's ABP Tenders. Comparison with other states was below:ith similar quantum of work and budget is as below: <u>Odisha:</u> Assessed Capex was Rs. 2500 Cr and Total Average Annual Turover Requirement was Rs. 1200 Cr <u>Madhya Pradesh:</u> Assessed Capex was Rs. 4405 Cr and Total Average Annual Turover Requirement was Rs. 2300 Cr <u>Karnataka:</u> Assessed Capex was Rs. 2985 Cr and Total Average Annual Turover Requirement was Rs. 1250 Cr <u>Rajasthan:</u> Assessed Capex was Rs. 3600 Cr and Total Average Annual Turover Requirement was Rs. 1525 Cr Considring above facts, it is clear that Turover Requirement is GFGNL Tender is way to above the standard as per similar nature of tenders of other states with similar quantum of work. This will support selected few (3-4) bidders only leading to lower bidder participation and hence higher bid prices leading to heavy financial loss of excheaquer. Therefore, GFGNL is requested to reconsider this qualification condition and make it at par with similar tenders of other states to allow maximum participation and enable GFGNL get best bid rates.	No change. The provision shall remain as per the RFP.
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2	3	Appendix A,	Experience Of OFC Project (Kms) In Last 10 Years:	We understand this criteria is	No change. The
4		Table 01,		humoungsly inflated vs other state's ABP	provision shall
5		B/Pg.43	Three(3) Orders/Organization Work, each having 12,000Km or Rs. 500 Cr. Or Two(2) Orders/Organization Work, each having 15,000Km or Rs. 600 Cr. Or One(1) Order/Organization Work, each having 25,000Km or Rs. 1000 Cr.	Tenders. Comparison with other states was below:ith similar quantum of work and budget is as below: Odisha: Assessed Capex was Rs. 2500 Cr and Total OFC EPC Requirement was 8000 Kms combined from all projects Madhya Pradesh: Assessed Capex was Rs. 4405 Cr and Total OFC EPC Requirement was 8000 Kms combined from all projects Karnataka: Assessed Capex was Rs. 2985 Cr and Total OFC EPC Requirement was 8000 Kms combined from all projects Rajasthan: Assessed Capex was Rs. 3600 Cr and Total OFC EPC Requirement was 8000 Kms combined from all projects Considering above facts, it is clear that Turover Requirement is GFGNL Tender is way to above the standard as per similar nature of tenders of other states with similar quantum of work. This will support selected few (3-4) bidders only leading to lower bidder participation and hence higher bid prices leading to heavy financial loss of excheaquer. Therefore, GFGNL is requested to reconsider this qualification condition and make it at par with similar tenders of other states to allow maximum participation and enable GFGNL get best bid rates.	remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 4 6	3	Appendix A, Table 01, A/Pg. 43	Financial Turn Over (in Cr): 4700 Cr	While GFGNL is sighting Gujarat Procurement Policy of 2x of Budget. However there are many examples of large value tenders where Average Annual Turnover requirement is 30% to 50% of budget. Also considering facts presented in pt. 8, GFGNL is requested to revisit this criteria to healthy participation	No change. The provision shall remain as per the RFP.
2 4 7	Appendix-A, Table-02	Sr. No. A	Financial Turnover (Lead Bidder & Consortium Partner)	As per the RFP, in case of a consortium comprising one Lead Bidder and two Consortium Partners, the Lead Bidder is required to have a minimum average annual turnover of ₹1900 Cr, while each Consortium Partner is required to have a minimum average annual turnover of ₹400 Cr. Considering that the Active Equipment Experience requirement is 1,000 active nodes and the consortium partner providing such experience may be a specialized telecom/active network system integrator, the requirement of ₹400 Cr turnover for such consortium partner appears to be restrictive and disproportionately high. It is requested to reduce the minimum turnover requirement for the Active Equipment Experience consortium partner from ₹400 Cr to ₹225 Cr, while retaining the overall consortium turnover requirement of ₹4700 Cr. This will enhance competition and enable participation of technically qualified active-network	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				specialists without compromising the overall financial strength of the consortium.	

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 4 8	Appendix-A, Table-02	Sr. No. A	Financial Turnover (Lead Bidder & Consortium Partner)	As per the RFP, in case of a consortium comprising one Lead Bidder and one Consortium Partner, the Lead Bidder is required to have a minimum average annual turnover of ₹2350 Cr, while the overall consortium turnover requirement is ₹4700 Cr. Considering that the consortium as a whole is already required to meet the cumulative turnover criteria of ₹4700 Cr, the requirement of ₹2350 Cr turnover for the Lead Bidder appears to be restrictive and may limit participation of otherwise technically and financially capable bidders. It is requested to reduce the minimum turnover requirement for the Lead Bidder from ₹2350 Cr to ₹2000 Cr while retaining the overall consortium turnover requirement of ₹4700 Cr. This will encourage wider participation and competition without compromising the financial capability of the consortium.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
249		XI	Dual Rectifier with double conversion including inbuilt stabilizer with range 110V – 280V and mechanism to provide protected environment to switchover	The specification mentions "Dual Rectifier with double conversion". Kindly clarify whether the requirement is for a dual rectifier with a single inverter architecture or a dual rectifier with dual inverter architecture (fully redundant system) . The requirement may please be defined clearly to avoid ambiguity and enable offering of suitable solutions. We wish to submit that a true online double conversion UPS inherently provides Automatic Voltage Regulation (AVR) and complete isolation of the load from input voltage fluctuations. Therefore, no additional voltage stabilizer is required. Provision of a separate voltage regulator/stabilizer will unnecessarily increase the system cost	Dual rectifier with a single inverter architecture to consider
250	Detailed Technical Specifications of following Network components are mentioned in Annexure-B		UPS for Villages	Please confirm the specification and the load connected with UPS in village level	Stands deleted (Section-10 >> 2 >> XI. UPS for Villages

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
251	XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP	Point No. 28	UPS for GP - Recharge time -6-8 hours	We wish to submit that the specified recharge time of 6–8 hours for Li-ion batteries is achievable under ideal operating conditions. However, at GP (Gram Panchayat) locations, the utility power supply is often unstable and subject to frequent interruptions and voltage fluctuations, which may adversely affect the charging process. Since the system is required to provide 6 hours of backup at full load, a longer recharge duration is essential to ensure complete battery charging and reliable operation under field conditions. Therefore, we request you to kindly revise the battery recharge time specification from 6–8 hours to 8–10 hours, which would be more practical and suitable for actual site conditions without affecting system performance and availability.	No change. The provision shall remain as per the RFP.
252	8.1 SCHEDULE OF REQUIREMENTS (SOR)		10.3 .Online UPS (2KVA) with 4 Hrs backup provisions at Block locations with accessories including installation, integration, testing and commissioning with provision of MPPT Card including solar panels	Please confirm the specification and the load connected with UPS in block level	RFP Clause - 8.1 SOR > Table S. no. 10.3 stands deleted. However, Quantity is mentioned "Zero" in this tender.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 5 3	Pg No. 397 , Point No.20 ,	UPS	TEC GR Standard No.: TEC 66140:2019 with latest amendments, if any without any Hybrid functionality and including BMS features	As per your SOR point No. 10,Power System with backup provisions at GP locations with accessories including installation, integration, testing and commissioning with provision of slot for MPPT Card BUT excluding MPPT Card & solar panels. This is as per TEC GR 66160:2024. So it should be amended.	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.
2 5 4	5.15	42	Service: NMS including OSS, BSS, ITSM, Helpdesk and Grievance, CRM	we seek your support to clarify if there is any specific reason to ask for single system including NMS, OSS/ BSS, Helpdesk and Grievance, CRM Application. As per our view, all these applications are different with different functions and can come from different vendors. All these usually have standard interfaces and can easily integrate with each other without delays or issue on the project execution. We henceforth request you kindly to modify the clause and allow NMS,OSS/ BSS and Helpdesk and Grievance - each of these to come from separate vendors with confirmation/commitment for proper integration within GFGNL ecosystem	For Wider participation GFGNL is not restricting Bidders to come up with solution under single OEM or multiple OEM. However it should be tightly integrated and also having single umbrella/windows for all the applications

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
255	8.3 Financial Bid Details	23	SITC Of Network Management System having combined functionality of BSS, OSS, CRM, Helpdesk- grievance management and Inventory and asset management.	we seek your support to clarify if there is any specific reason to ask for single system including NMS, OSS/ BSS, Helpdesk and Grievance, CRM Application. As per our view, all these applications are different with different functions and can come from different vendors. All these usually have standard interfaces and can easily integrate with each other without delays or issue on the project execution. We henceforth request you kindly to modify the clause and allow NMS,OSS/ BSS and Helpdesk and Grievance - each of these to come from separate vendors with confirmation/commitment for proper integration within GFGNL ecosystem	Refer revised financial bid format for below line items 1. SITC of NMS & OSS & Inventory and Asset management tool 2. SITC of BSS & CRM 3. SITC of Helpdesk & Greivance management

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
256	5.15	47	OSS-BSS & NMS Integration for Service Management: The PIA is required to deploy and plan an integrated OSS-BSS (Operational Support System - Business Support System) and NMS (Network Management System), ensuring that all customer order covering all types of customers and services are properly managed and integrated with the proposed OSS-BSS system. This integration must support the full lifecycle of services, from provisioning to monitoring, management, and eventual termination. The OSS-BSS solution should enable the effective handling of all service-related activities, ensuring seamless coordination across all service stages. Additionally, the PIA is encouraged to propose any cost-effective solutions that could enhance the functionality or value of the system, beyond the core requirements specified in this RFP. Furthermore, software modules, and related solutions must strictly comply with the latest technical specifications defined by the TEC GR (Telecommunication Engineering Center - Generic Requirements) TEC 48100:2025 with latest amendments, if any for the respective line items, modules, or electronic components, ensuring alignment with industry standards and regulatory guidelines.	We seek your support to confirm, TEC GR and TEC 480100:2025 are standards related to hardware, active and passive supply components in network built. Our understanding is that it is not required for an NMS, BSS, OSS, Helpdesk, PM Tool, AAA, or any other software supplies. Please confirm our understanding is correct and in order.	As far as OSS, BSS , Helpdesk and PM tool are concerned, the TEC GR not required however since TEC GR 480100:2025 specifically available for NMS, Bidder has to comply the same

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
257	5.15	54	Operational Visibility Platform (NMS + OSS + BSS): I. The software solution shall be required to provide a scalable, automated, and vendor-neutral solution for network deployment, monitoring, and service management across multi-vendor IP and optical infrastructures. II. The system will streamline operations, ensure SLA compliance, and support end-to-end lifecycle automation with mobile-based deployment, GIS-based topology visualization, and OEM-engineer backed customization. III. The PIA shall design, supply, configure, integrate, deploy, operate and maintain an Integrated software platform for monitoring, operation, governance and utilization of the BharatNet network in the State, in accordance with the requirements of the Digital Bharat Nidhi (DBN) Amended BharatNet Program. The S-NOC solution shall comprise a tightly integrated suite of Network Management System (NMS), Operations Support System (OSS), Business Support System (BSS), Customer Relationship Management (CRM), and Helpdesk & Grievance Management modules, operating as a unified platform.	we seek your guidance to elaborate/explain "tightly integrated" suite of NMS, OSS, BSS, CRM & Helpdesk Management Modules in the statement.	All modules shall operate through a unified platform with simplified authentication, role-based access control, common dashboarding and seamless workflow integration. The bidder shall be responsible for end-to-end functionality irrespective of whether modules are supplied by single or multiple OEMs."
258	Annexure B:	Business Support System (BSS)	Requirements: Leasing Management: The BSS shall maintain records of dark fiber leasing and bandwidth leasing provided to Service Providers and other eligible entities.	Is BSS system only required for dark fiber leasing, billing functions? Or there are any other type of services/subscribers to be onboarded on the platform? Can you share the approx volume of dark fiber contracts & circuits that need to be managed in system (volumetrics)?	it also includes contract lifecycle management, resource allocation, provisioning coordination, billing support, utilization management, and revenue-sharing

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					processes for leased services. ~30,000+ Km OFC dark fibre are already leased and few more are in progress.
259	6.6 : Quality Assurance and Testing	6.6.1 : Indigenous Equipment	Material Name: Blade Chassis/Rack servers (including AAA) (As per requirement, to be assessed by PIA)	We see AAA at couple of places but no further details are present, kindly clarify if AAA Supply is part of overall scope? Kindly also provide the technical specifications/clauses & use case required for compliances for AAA Supply	Providing AAA server will be out of scope for the bidder, However, if needed providing end to end integration with GFGNL network will be responsibility of the selected bidder.
260	Specific ation of Industrial Grade Edge Switches	The switch shall have 8 x ports 100M/1G BaseT PoE port with minimum 2 number of 1 SFP port for uplink PoE ports: Min. 4x ports 100M/1G BaseT Class 6 PoE ports supporting up	Below Clause has been removed from RFP "The switch shall have 12 x ports 100M/1G BaseT PoE port with 2 number of 1/10G SFP+ port for uplink"	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
		to 60W per port (IEEE 802.3bt) and 4 ports of Class-4 PoE (IEEE 802.3at) up to 30W per port			

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
261	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall have minimum 512 IPv4 Unicast Routes and 512 IPv6 Unicast Routes, 512 IGMP Groups, 512 MLD Groups, 256 IPv4 or 128 IPv6 ingress Entries.	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP As we understood devices like smart screen, speakers and CCTV cameras are going to connect this switch, Normally CCTV cameras are generating high multicast traffic Removing the requirement for minimum routing and multicast capacities from the switch specification will limit the switch's ability to handle large-scale multicast traffic. Without support for at least 512 IPv4 and IPv6 unicast routes, 512 IGMP groups, 512 MLD groups, and sufficient ingress entries, the network may experience routing limitations, multicast traffic drops many critical CCTV footages, and degraded overall performance. This can lead to connectivity issues, reduced scalability, and potential service disruptions, especially in environments with multiple high-bandwidth devices or complex multicast and routing requirements. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

2 6 2	Specific ation of Industri al Grade Edge Switche s	The switch shall have 24 Gbps of Switching Capacity and 17.86 Mpps Throughput Capacity	Below Clause Has been amended from RFP The switch shall have 64 Gbps of Switching Capacity and 46 Mpps Throughput Capacity	When there are no changes in the architectute and performace requirements of the project then why are these points/clauses removed or amended from the RFP The switch is intended to support high- bandwidth devices such as high- resolution advertisement displays, speakers, and high-resolution cameras, which require substantial data throughput. Please refer below calution to undestand why 64GBPS is mendotatory to achive non-blocking architectture High-Resolution Displays Assumptions of Uncompressed 4K video Bits per frame per display: 3840×2160×3×8=199,065,600" bits"≈199" Mb/frame" Bandwidth per display:199" Mb/frame"×60" fps"≈11.94" Gbps" Total for 3 displays:11.94×3≈35.82" Gbps" High-Resolution Cameras Total camera bandwidth: 3×50" Mbps"=150" Mbps"≈0.15" Gbps" Additional Traffic Considerations Network management traffic (NMS, logs, firmware updates): ~2–3 Gbps Speakers and IoT devices (audio/video streams): ~2–3 Gbps Future scalability headroom (growth factor): ~20 Gbps With this calculation Total throughput needed:	No change. The provision shall remain as per the RFP.
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				"Displays"+"Cameras"+"Management/IoT"+"Headroom" is $35.82+0.15+5+20\approx 60.97$ Gbps"≈ 61Gbps with that switch will provides adequate throughput, including safety margin for traffic bursts and future device additions. As Each switch will connect with three high-resolution displays, three high-resolution IP cameras, network management traffic, and IoT devices. Calculations show the total required throughput is approximately 61 Gbps, including future scalability and operational headroom. Therefore, a switch with minimum 64 Gbps aggregate throughput is required to ensure uninterrupted operation, low latency, and high reliability across all 800 deployment locations." Therefore, we strongly request that this requirement be included once again in the RFP.	
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
263	Specific ation of Industri al Grade Edge Switche s	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall be Software defined ready with REST APIs	When there are no changes in the architechture and performace requirements of the project then why are these points/clauses removed or amended from the RFP As per the RFP requirement of SDN(Software define networking), rest API is and open flow is the IEEE protocol to implement SDN in future hence we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.
264	Specific ation of Industri al Grade Edge Switche s	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support always-on PoE that supplies PoE power even during scheduled reboots and firmware upgrades	When there are no changes in the architechture and performace requirements of the project then why are these points/clauses removed or amended from the RFP Always-On PoE is an essential feature during hot patching and software upgrades. If this feature is not included, all 800 bus shelters may go offline during the upgrade process. Additionally, if the upgrade gets interrupted or stuck, recovery becomes extremely difficult and requires significant manpower. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
265	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support Quick PoE to supply PoE power to powered devices as soon as the switch is plugged into power so device can initialize at same time as switch OS boots up	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP Always-On PoE is an essential feature during hot patching and software upgrades. If this feature is not included, all 800 bus shelters may go offline during the upgrade process. Additionally, if the upgrade gets interrupted or stuck, recovery becomes extremely difficult and requires significant manpower. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.
266	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support rapid protection and recovery in a ring topology using Ethernet Ring Protection Switching (ERPS)	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP As the proposed network architecture is based on a ring topology, ERPS is an essential protocol to ensure ring protection and network resilience. Removing this protocol would introduce significant security risks and could impact the reliability and stability of the network, thereby increasing potential risks for AMC. Therefore, we strongly request that this	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				requirement be included once again in the RFP.	
2 6 7	Specific ation of Industri al Grade Edge Switche s	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support High availability with always-on PoE that supplies PoE power even during scheduled reboots and firmware upgrades	When there are no changes in the architechture and performace requirements of the project then why are these points/clauses removed or amended from the RFP Always-On PoE is an essential feature during hot patching and software upgrades. If this feature is not included, all 800 bus shelters may go offline during the upgrade process. Additionally, if the upgrade gets interrupted or stuck, recovery becomes extremely difficult and requires significant manpower. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
268	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support Built-in programmable and easy-to-use REST API interface	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP As per the tender requirement, SDN implementation and integration with third-party NMS are mandatory. REST API integration is essential to enable seamless communication between network switches and third-party software systems. Integration of third party NMS with SNMP will give very limited visibility compared to REST-API Removing this clause would significantly impact system interoperability and hinder integration with other platforms, ultimately preventing the achievement of comprehensive multi-system integration. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
269	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support sFlow (RFC 3176) / Netflow / jFlow for monitoring and accounting with no impact on network performance.	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP As per the tender requirement, implementation and integration with third-party NMS are mandatory. Removing the sFlow/NetFlow requirement from the switch specification will significantly reduce network visibility and traffic analysis capabilities. It will limit effective monitoring, troubleshooting, and capacity planning across the network. This may lead to delayed issue detection, reduced performance optimization, and increased operational risks. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
270	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP Data Centre & Campus Switches shall be from same OEM and managed from the one single console of NMS from same OEM	When there are no changes in the architectrue and performace requirements of the project then why are these points/clauses removed or amended from the RFP Removing this clause will lead to fragmented network management and increased operational complexity. It may result in interoperability challenges, inconsistent configurations, and limited end-to-end visibility across the network. This can increase troubleshooting time, operational costs, and dependency on multiple vendors for support. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
271	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support Dual IP stack to maintain separate stacks for IPv4 and IPv6 to ease the transition from an IPv4-only network to an IPv6-only network design	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP Removing this clause will lead to limit the network's ability to support future-ready addressing and transition strategies. It may create challenges in migrating from an IPv4-only network to an IPv6-enabled or IPv6-only environment, leading to compatibility issues with modern applications and devices. This can result in reduced scalability, increased complexity in network design, and potential additional costs for future upgrades or workarounds to support IPv6 integration. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
272	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support RA guard and ND snooping	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP These features are critical for preventing rogue Router Advertisements and protecting against Neighbor Discovery–based attacks. Without them, the network becomes vulnerable to unauthorized devices, spoofing attacks, and traffic redirection, which can disrupt network operations and compromise data integrity. This may also increase troubleshooting efforts and overall security risks to AMC. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
273	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall have integrated trusted platform module (TPM) for platform integrity to ensure the secure boot process.	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP TPM plays a critical role in ensuring a secure boot process by validating the authenticity of system software and protecting against unauthorized or tampered firmware. As this switch will deploy in public areas without TPM, the switch becomes more vulnerable to malicious code, firmware manipulation, and unauthorized access. This can compromise overall network security, increase the risk of attacks, and make it more difficult to ensure trust and compliance in the network infrastructure leads to overall security risks to AMC. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
274	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support ICMP throttling to defeat ICMP denial-of-service attacks by enabling any switch port to automatically throttle ICMP traffic	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP As these switches are deployed in public areas removing the requirement for ICMP throttling from the switch specification will leave the network vulnerable to ICMP-based denial-of-service (DoS) attacks. Without this feature, excessive ICMP traffic could overwhelm switch resources, causing degraded performance or network outages. This increases the risk of service disruption, reduces network stability, and may lead to higher operational effort to detect and mitigate attacks manually and threat network infrastructure leads to overall security risks to AMC. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
275	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support Identity-driven ACL to enable implementation of a highly granular and flexible access security policy and VLAN assignment specific to each authenticated network user	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP As these switches are deployed in public areas removing the requirement for Identity-driven ACL support from the switch specification will limit the ability to implement highly granular and user-specific access control policies. Without this feature, network security becomes less flexible, and VLAN assignments cannot be dynamically applied based on authenticated users. This can lead to increased security risks, reduced policy enforcement, higher chances of unauthorized access, and more manual effort in managing user-specific network permissions. and that leads to overall security risks to AMC. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
276	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support Dynamic IP lockdown to block traffic from unauthorized hosts, preventing IP source address spoofing	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP As these switches are deployed in public areas removing the requirement for Dynamic IP Lockdown from the switch specification will leave the network vulnerable to unauthorized devices and IP address spoofing attacks. Without this feature, malicious or misconfigured hosts could send traffic with forged IP addresses, potentially bypassing security policies and disrupting network operations. This increases the risk of network breaches, unauthorized access, and service disruptions, while also making it harder to enforce secure and reliable traffic management leads to overall security risks to AMC. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 7 7	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support Port security to allow access only to specified MAC addresses, which can be learned or specified by the administrator	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP As these switches are deployed in public areas removing the requirement for Port Security from the switch specification will reduce the network's ability to control access at the port level. Without this feature, any device can connect to the network through an open port, increasing the risk of unauthorized access. This can lead to security breaches, potential data leaks, and greater vulnerability to attacks such as MAC spoofing, while also increasing the administrative effort required to monitor and secure connected devices and that leads to overall security risks to AMC. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
278	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support MAC address lockout to prevent specific configured MAC addresses from connecting to the network	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP As these switches are deployed in public areas removing the requirement for MAC Address Lockout from the switch specification will reduce the network's ability to block known unauthorized or compromised devices. Without this feature, malicious or unwanted devices could repeatedly attempt to connect, potentially bypassing other security controls. This increases the risk of unauthorized access, network breaches, and operational disruption, while making it harder to enforce device-level security policies effectively and that leads to overall security risks to AMC. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
279	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support Secure FTP to allow secure file transfer to and from the switch.	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP With switches positioned in public areas at 800 locations, centralized file transfer via FTP through the NMS provides a secure and efficient mechanism for simultaneous upgrades, reducing manual labor, minimizing errors, and ensuring consistent network performance reduce time and efforts Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
280	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support MAC Pinning to allow non-chatty legacy devices to stay authenticated by pinning client MAC addresses to the port until the client logoffs or gets disconnected	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP Removing the requirement for MAC Pinning from the switch specification will affect the connectivity of non-chatty legacy devices that do not frequently generate network traffic. Without this feature, such devices may be incorrectly marked as inactive, causing them to lose authentication and network access from NMS This can lead to service interruptions, increased administrative effort to re-authenticate devices, and reduced reliability for legacy systems that rely on continuous port-level authentication. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
281	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support Security banner display to customized security policy when users log in to the switch	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP Removing the requirement for Security Banner display from the switch specification will eliminate the ability to present customized security policies to users during login. Without this feature, users may not be properly informed of acceptable use policies or security guidelines, which can lead to non-compliance or unintentional security violations. This reduces overall network governance, increases legal and regulatory exposure, and weakens enforcement of security awareness at the device level. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
282	Specific ation of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP The switch shall support role-based micro-segmentation	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP Removing the requirement for role-based micro-segmentation from the switch specification will limit the network's ability to implement fine-grained access control in a future SDN environment. Without this feature, it will be difficult to isolate users, devices, and applications based on roles, increasing the risk of lateral movement by attackers and that leads to security risk for AMC This can lead to weaker security posture, reduced policy enforcement, and challenges in achieving effective segmentation and compliance in the planned SDN deployment. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
283	Specification of Industrial Grade Edge Switches	Extra Points duly removed from the RFP	Below Clause Has been removed from RFP IEC/EN 60950, IEC/EN 62368-1, UL 62368-1, 2nd Edition, CAN/CSA C22.2, IEC/EN 60950-1, IEC/EN 62368-1, IEC/EN 60825-1, UL/IEC 61010-2-201, IEC/EN 61000-6-2 Industrial Immunity, IEC/EN 61000-6-4 Industrial Emissions, IEC/EN 61000-6-1 Light Industrial Immunity	When there are no changes in the architecture and performance requirements of the project then why are these points/clauses removed or amended from the RFP Removing the requirement for these certifications from the switch specification will increase the risk of non-compliance with international safety, electromagnetic compatibility (EMC), and industrial standards. Without compliance to IEC/EN 60950, IEC/EN 62368-1, UL 62368-1, CAN/CSA C22.2, IEC/EN 60825-1, IEC/EN 61010-2-201, and IEC/EN 61000 series standards, the switches may not meet safety, immunity, and emission requirements for industrial and light-industrial environments. This can result in potential hazards, equipment malfunction, regulatory non-compliance, and reduced reliability of deployed switches across all locations, potentially impacting both operational safety and warranty or legal accountability. Therefore, we strongly request that this requirement be included once again in the RFP.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
284	SPECIFICATIONS FOR CONNECTIVITY	Specifications for Connectivity Part (Per Bus Station requirement defined) for integrating the Bus Stands to the Data Center	The same shall be inclusive all SDWAN hardware along with Warranty and O&M of the same	It is strongly recommended that WAN control be managed by AMC rather than the connectivity provider, similar to how LAN control is exercised through the proposed switches and NMS. SD-WAN deployment is highly advised to connect all 800 locations to the data center. Currently, the SD-WAN specifications are not included in the RFP; therefore, we recommend incorporating detailed SD-WAN router specifications for WAN connectivity, independent of the ISP-provided connectivity	Irrelevant query

2 8 5	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers(Block Router)	The router can be Chassis based for Type A with Control plane & Data plane redundancy but shall be of non-chassis based 1RU form-factor for Type B. Routers shall be as per requirement of chasis and non chasis router defined in GR 48050:2022 Block Routers shall be of two configuration: (1) Type A(Master Block)- Router should support switching capacity of minimum 800 Gbps. The router should be enabled on day 1 with the following configuration: a. 4 port of 100G (with 40km /80Km pluggable) b. 12 port of 10 G (with 40km pluggable) c. 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) (2) Type B (Sub-Block) Router should support switching capacity of minimum 300 Gbps. The router should be enabled on day 1 with the following configuration: 2 port of 100G (with 40km / 80Km pluggable) 8 port of 10G (with 40km pluggable) 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) c. Note: Pluggables will be as per Fiber planning	To protect the investment in master block routers which needs future scalability and also considered asked port and its density we request to amend below : (1) Type A(Master Block)- Router should support switching capacity of minimum 1.08 TBPS full duplex . The router should be enabled on day 1 with the following configuration: a. 4 port of 100G (with 40km /80Km pluggable) b. 12 port of 10 G (with 40km pluggable) c. 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) (2) Type B (Sub-Block) Router should support switching capacity of minimum 320 GBPS full duplex The router should be enabled on day 1 with the following configuration: 2 port of 100G (with 40km / 80Km pluggable) 8 port of 10G (with 40km pluggable) 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) c. Note: Pluggables will be as per Fiber planning	No change. The provision shall remain as per the RFP.
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2 8 6	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers	The router can be Chassis based for Type A with Control plane & Data plane redundancy but shall be of non-chassis based 1RU form-factor for Type B. Routers shall be as per requirement of chassis and non chassis router defined in GR 48050:2022 Block Routers shall be of two configuration: (1) Type A(Master Block)- Router should support switching capacity of minimum 800 Gbps. The router should be enabled on day 1 with the following configuration: a. 4 port of 100G (with 40km /80Km pluggable) b. 12 port of 10 G (with 40km pluggable) c. 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) (2) Type B (Sub-Block) Router should support switching capacity of minimum 300 Gbps. The router should be enabled on day 1 with the following configuration: 2 port of 100G (with 40km / 80Km pluggable) 8 port of 10G (with 40km pluggable) 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) c. Note: Pluggables will be as per Fiber planning	We understand bidder has to quote Type A routers with dual control plane and data plane to achieve redundancy. Kindly confirm since Type B is requested to propose in 1u form factor and any OEM cannot provide dual control plane and data plane redundancy. Hence we understand redundancy has to be maintained in the form of Fan and Power supply only , please confirm.	Pls refer RFP clause - Annexure-B >> II. Technical Specifications for Routers >> Table S.no.1
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
2 8 7	Annexur e B: TECHNIC AL SPECIFIC ATIONS OF NETWO RK AND ITS COMPO NENTS	V. Technical Specifications for EMS of Routers	1. System Architecture Distributed, scalable, and modular architecture with centralized management for multi-vendor devices.	Request Clarification :- Kindly clarify if the EMS for Routers can be from 3rd party . EMS from OEM are specific to their Router and they can not manage multivendor devices , Request to kindly clarify and allow that EMS for routers can be from 3rd party vendors	Kindly read the modified RFP Clause as "System Architecture: Distributed, scalable, and modular architecture with centralized management." EMS for routers from 3rd party vendors shall not be allowed.
2 8 8	Annexur e B: TECHNIC AL SPECIFIC ATIONS OF NETWO RK AND ITS COMPO NENTS	II. Technical Specifications for Routers	Router should be provided with 1+1 or N +1 power supply and Fan redundancy. Power supplies and Fans should be hot swappable for high availability, to ensure that there is no outage till both (main and standby) power supplies/ fans fail	As per the last tender, the clause is amended as " Solution equipment should have redundant power card and redundant 1+1 or N+1 fan modules, those OEMs who are having problem in meeting hot-swappable requirement may provide high availability assurance with standard equipment MTBF (Greater than 70,000 hours as specified in QM115 of TEC/GR 48050:2024 or equivalent international standard)", we request you to please amended this clause this time as well for leading OEM to participate	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
289	5.1 SCOPE OF WORK	Network and Service Provisioning:	From Master-Block to SDC/SNOC GFGNL shall arrange the ILL/P2P(out of scope for PIA), however,PIA has to support for network provisioning of Internet Lease line/P2P bandwidth at SDC, master block or Sub-blocks to carry Gram Panchayats as well as GFGNL's customer traffic up to State capital.	As per the clause stating that "From Master-Block to SDC/SNOC, GFGNL shall arrange the ILL/P2P (out of scope for PIA)," please clarify whether the routers at the SDC/SNOC are existing infrastructure to be utilized by the bidder, or whether bidders are required to supply and commission new routers at the SDC/SNOC locations.as no corresponding specifications, quantities, or BOQ line items have been provided in the tender for SDC.please clarify.	Service provider of LL shall provide the router to implement the services. Rest of the responsibility of implementation of the infra is with PIA.
290	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	XXXIV.Hyper Converged Infrastructure	Minimum 4 HCI nodes (3+1 or better) shall be proposed.	Can we quote with 3 nodes if needed ? To reduce the costing w.r.t Virtualization License + compute HW as long we provide the said number of cores in 3 nodes in place of 4	No change. The provision shall remain as per the RFP.
291	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND	XXXIV.Hyper Converged Infrastructure	Storage Architecture	Request for change : Across HCI nodes or Centrally located as long as the asked storage is achieved in Rf2/RAID 6	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
	ITS COMPO NENTS				
2 9 2	Annexur e B: TECHNIC AL SPECIFIC ATIONS OF NETWO RK AND ITS COMPO NENTS	XXXIV.Hyper Converged Infrastructure	Data Protection & Resiliency	<u>Request for change</u> : The system shall ensure protection against minimum two simultaneous failures (disk/node). Disk/node/storage -Data protection shall be implemented using replication or erasure coding or RAID 6	No change. The provision shall remain as per the RFP.
2 9 3	Annexur e B: TECHNIC AL SPECIFIC ATIONS OF NETWO RK AND ITS COMPO NENTS	XXXIV.Hyper Converged Infrastructure	Hypervisor Support	<u>Request for change</u> : The platform shall support enterprise hypervisors such as VMware / Hyper-V / KVM. – VMware / Hyper-V / KVM / KVM based HPE VME	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
294	6.6.2	Impoted Equipment	The supply of imported equipment (except Block & GP Routers and RFMS) shall be accepted only if it is accompanied with Factory Test Reports (FTR)/ certifications of various performance parameters required as per relevant TEC GR & Technical Specifications mentioned in this tender together with environmental test as per BSNL QA document QM333 with bulk testing certificate from QA, BSNL	We understand that, as per the latest notification issued by the Department of Telecommunications (Ministry of Communications) dated 21 October 2024 (Ref: CG-DL-E-22102024-258138), OLT has been notified as a product having sufficient local capacity and adequate domestic competition. Further, as per the DPIIT Public Procurement (Preference to Make in India) Order dated 19 July 2024, procurement in such categories mandates Mandatory sourcing from Class-I suppliers. In view of the above, it is requested to kindly review and amend the clause as follows: "The supply of imported equipment (except Block & GP Routers, Mini OLT, and RFMS) shall be accepted."	The procurement of equipment shall be governed by the latest applicable Government of India notifications and Central ABP mandates.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
295	Appendix # A	Eligibility Criteria for Bidders	For Active Equipment's Experience (Numbers) 1,000 Numbers	Apart from the bidder eligibility conditions, we request that specific OEM Eligibility Criteria be incorporated for active equipment procurement, particularly for Routers and Mini OLTs. Given that these equipment categories have adequate domestic manufacturing capacity and are notified for procurement under Class-1 Local Supplier sourcing, it is essential to ensure participation of only proven and experienced OEMs. Accordingly, we propose the following eligibility conditions • Routers: OEM must have supplied minimum 15000 IP MPLS Routers in a single contract / single customer to State/Central Government/Bharatnet Projects / Telecom Operators in India in the last five years as on the bid opening date. (Copy of Purchase order to be provided along with OEM declaration of supply) • Mini OLT: OEM, should have supplied minimum 5,000 nos of Mini 4 port OLTs, in a single contract / single customer to State/Central Government/Bharat net Projects / Telecom Operators in India in the last five years as on the bid opening date. (Copy of Purchase order to be provided along with OEM declaration of supply) Such eligibility criteria will help in	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				mitigating project risks related to scalability, performance, and post-deployment support. Similar OEM experience conditions have already been adopted in other state-led Bharat Net LMCA projects, e.g Tamil Nadu BharatNet (TANFINET) – Ref: NIT_TANFINET_018_LMC_SI dated 10.07.2023	

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
296	5.14	5.14 ELECTRONICS INSTALLATION	k) Provisioning Mini OLTs: Selected bidder has to ensure the proposed mini-OLT should support atleast three (3) / Four (4) compatible ONT's OEM for future network provisioning and avoid governance challenges, preferably mentioned on the bbnl website , " https://bbnl.nic.in/index1.aspx?lsid=735&lev=2&lid=588&langid=1 " or any other central government website.	Kindly confirm whether the proposed Mini OLT is required to support ONTs from multiple OEMs (at least 3–4 different makes) or whether the ONTs must necessarily be from the same OEM as listed/approved. Kindly allow only TSEC certified ONTs for testing with Additionally, the URL provided in RFP for reference/verification is not accessible. Request you to kindly verify and provide the correct working link.	PI see preceeding response in Query-125.
297	6.6 (j)	The requirement of TSEC for various items	NMS/OSS Solution-TSEC not Required	It is observed that for Router EMS, conformity to TEC GR 48050:2022 is required; however, TSEC certification for the Network Management System (NMS) has not been specified. Considering the critical role of NMS in network operations, security, and performance management, we recommend that suitable TSEC certification be made mandatory for NMS as well, in line with TEC GR guidelines.	Refer the Annexure A: TECHNICAL SPECIFICATIONS in TEC-GR Standards list for reference, For NMS, "TEC GR:48100: 2025 with latest amendments, if any will be allowed".
298	4.II	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	II. Technical Specifications for Routers Note:1 The category of router and applicability of latest TEC GR is fundamentally in alignment with BSNL central RFP. the bidder/OEM must comply with the category B QM-333 standard or an equivalent international standard.	As per DOT/DBN directive for ABP program, TEC GR/TSEC is mandatory & QM 333 is the part of TSEC. Therefore, the requirement should not be diluted by allowing equivalence to other standards. We request that compliance be strictly limited to Category B QM333 only.	Note:1 "The category of router and applicability of latest TEC GR is fundamentally in alignment with BSNL central RFP. the bidder/OEM must comply with the category B QM-333 standard or an

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					equivalent international standard." stands deleted

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
299	Page 412 of 589 VII. Technical Specifications for Mini-OLT	4 Uplink Port	2*10/100/1000M and 1*10G	As per the GFGNL Network Architecture guidelines, adequate protection to ensure high availability and network resilience until Last mile connectivity of GFGNL the OLT must be equipped with a minimum of two (2) 10G uplink interfaces to support u OLT uplink is required to be protected. The OLT should therefore be equipped with a minimum of 2 × 10G uplink ports to enable protection mechanisms such as LAG (Link Aggregation Group) or ERPS (Ethernet Ring Protection Switching). In the case of a Mini OLT, these uplinks should support protection across GP Ring / Block Ring / Router connectivity to ensure network resilience. We understand that 2 × 10/100/1000M connectivity can be achieved either through an onboard electrical RJ45 port or via an electrical SFP interface. For better clarity in BOM consideration, we request you to please review and confirm the following & Modify : Day 1 Configuration: OLT to be provisioned with uplink optics as below 1 × 10G (Optical) 2 × 1G (Optical) 1 × RJ45 (Electrical) Future Upgrade Capability: Expandable to: 2 × 10GE SFP(+)	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				2 × 1GE SFP 1 × 1GE (RJ45)	

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
300	Page 412 of 589 VII. Technical Specifications for Mini-OLT	8 .Attributes of the PON Interface	Class B+ and Class C+ GPON module	We request the inclusion of Class C++ GPON SFP modules in addition to the existing Class B+ and Class C+ GPON modules in the technical specifications. Class C++ GPON optics (higher optical budget) help in designing a better GPON / ODN network, along with CAPEX & OPEX benefits,Class C++ optics enable: Longer reach, will help maintain opex Aging of fiber loss compensated , Helps in Scalable futuristic design Higher Tx power -> pushes signal farther & Better Rx sensitivity -> captures weaker signals Higher optical budget→ supports more loss. Hence Modify the Clause as "Class B+ , Class C+, C++ GPON optics module "	Class B+ and Class C+/C++ GPON module allowed
301	Page 412 of 589 VII. Technical Specifications for Mini-OLT	10. Layer 2 Protocol	Should support Spanning Tree,IEEE 802.1Q, VLAN,IEEE 802.1w, RSTP,IEEE 802.3ad physical link static/dynamic aggregation,Support OMCI Encryption enabled / disabled for ONT,Support OMCI authentication for ONT,(LACP),QoS,Multicast, Reliability, DHCP	Please include ERPS protection spanning tree for better understanding and clarity o. Also, LACP appears to be a typo error in the OMCI section . Therefore, we request you to correct the clause accordingly. " Should support IEEE 802.1Q, VLAN, Spanning Tree (STP) /IEEE 802.1w(RSTP)/ ITU ERPS 8032, IEEE 802.3ad physical link static/dynamic aggregation, Support OMCI Encryption enabled / disabled for ONT,Support OMCI authentication for ONT ,QoS,Multicast, Reliability, "	Should support ERPS or equivalent standards

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
302	Page 412 of 589 VII. Technical Specifications for Mini-OLT	GPON Protection	New Clause 25 to added , GPON Protection	AAs per GFGNL network architecture guidelines, adequate protection mechanisms shall be ensured to maintain high availability and network resilience up to the last-mile connectivity of GFGNL. Furthermore, considering ISP bandwidth services and future requirements such as FWA/4G/5G backhaul links, the network shall support fast protection switching with a restoration time of up to 50 ms. In line with these requirements, it is requested to incorporate the following protections: <i>“The OLT shall support GPON port ODN protection (Type B) on the access GPON side and provide network-side protection with sub-50 ms restoration using ITU-T G.8032 (ERPS) or equivalent mechanisms to ensure high availability and service continuity</i>”	Should support ERPS or equivalent standards
303	Page 412 of 589 VII. Technical Specifications for Mini-OLT	11 Network Security	Limiting the maximum number of users on each port,Port isolation, Packet storm control,Flow-based ACL access control function Transmission data encryption on the,PON interface, Supports TACAS+	Each GPON port supports a Maximum up to 128 ONT ,Users are connected to ONT , how many user connected ONT , Limiting internet user MAC is ONT ACL feature . For better clarity on Limiting user on Each port Clarify Modify clause "Support of ACL ,Port isolation, Packet storm control,Flow-based ACL access control function Transmission data encryption on the,PON interface, Supports TACAS+/RADIUS	Covered in the RFP. TACAS+/RADIUS allowed

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 0 4	Page 412 of 589 VII. Technic al Specific ations for Mini- OLT	15 Operating Environment	0°C-60°C;	We request you to kindly Refer central bharathnet clause to be included Environmental requirements: The OLT supplied shall comply with environmental standard QM-333, B2" category	Pls read the modified clause as "The OLT shall comply with Category B2 QM- 333 environmental standards"
3 0 5	Page 412 of 589 VII. Technic al Specific ations for Mini- OLT	12 Configuration Management	Various management modes such as CLI, SNMP and TELNET, Conducting software upgrade through TFTP Debug output, NETCONF/YANG, REST API or equivalence	We have noticed important OLT Management Via GUI is not captured , Request you please Modify the Clause as " Various management modes such as GUI web access through browser , CLI,TELNET,SNMP, Conducting software upgrade , Debug output, NETCONF/YANG or REST API or equivalence "	OLT shall also provide EMS GUI access through standard web Browser like IE, Firefox, Google Chrome.
3 0 6	Page 412 of 589	24 Minimum Specifications for Mini-OLT Interoperabilit y	- OLT shall also interoperable with all existing ONTs being used in BSNL BharatNet Phase- I and BharatNet Phase -II and any future ONTs to be used, by loading of suitable patches without any additional cost. It will be preferred if the loading of Patches is done through EMS/ NMS without visiting site	For Better Clarity & understanding of Future ONT,s please modify clause as OLT shall also interoperable with all existing ONTs being used in BSNL BharatNet Phase- I and BharatNet Phase -II and any future TSEC -GR Certified GPON ONTs should be supported in OLT ,	Please refer the updated clause in corrigendum.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
307	Page 412 of 589	24 Minimum Specifications for Mini-OLT Interoperability	any future ONTs to be used, by loading of suitable patches without any additional cost. It will be preferred if the loading of Patches is done through EMS/ NMS without visiting site	Since Supply of ONT & CPE TR069 managemenet are not part of This RFP , to avide duplicity of the tasks , please modify the clause as <i>ONT software/firmware upgrades for all deployed & New ONTs shall be performed through a centralized ACS platform (TR-069 or equivalent), preferably I GFGNL ACS /Tr069 system. Remote upgrade capability shall be supported to avoid field visits.</i>	No change. The provision shall remain as per the RFP.
308	Page 412 of 589	24 Minimum Specifications for Mini-OLT Interoperability	Special Note on ONTs deployed , Future ONT	We requests you to please add please note on the ONT as <i>Note :ONT mentioned in the Tender Document to be ready GPON ONT's</i>	No change. The provision shall remain as per the RFP.
309	Page 412 of 589	25 Other	- Static and dynamic IP allocation should be supported - DBA(Dynamic Bandwidth Allocation), Multicast,QoS,SNMPv2C/V3	Broadband Internet IP services from the BNG to the OLT shall be delivered over Layer-2 (L2) services using IPoE (DHCP) and PPPoE mechanisms for ONT/CPE connectivity.	The requirement is already adequately covered in the RFP. The Mini-OLT is specified as a Layer-2 GPON OLT, and support for DBA, Multicast, QoS, and SNMP (v2c/v3) is already included under the technical specifications. Hence, no change is considered necessary.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
310	Page 412 of 589 VII. Technical Specifications for Mini-OLT	25 Other	- Static and dynamic IP allocation should be supported - DBA(Dynamic Bandwidth Allocation), Multicast,QoS,SNMPv2C/V3	Broadband Internet IP services from the BNG to the OLT shall be delivered over Layer-2 (L2) services using IPoE (DHCP) and PPPoE mechanisms for ONT/CPE connectivity.' For better clarity on Layer-2 OLT functionality, the clause shall be revised as follows: <i>"The OLT shall support multiple Layer-2 service delivery mechanisms, including IPoE (Static /DHCP) and PPPoE, for ONT/CPE connectivity. Additionally, the OLT shall support essential features such as Dynamic Bandwidth Allocation (DBA), Multicast, Quality of Service (QoS), and SNMP (v2c/v3) for network management and service assurance."</i>	The requirement is already adequately covered in the RFP. The Mini-OLT is specified as a Layer-2 GPON OLT, and support for DBA, Multicast, QoS, and SNMP (v2c/v3) is already included under the technical specifications. Hence, no change and as per RFP
311	Page 412 of 589	25 Other	bidder's responsibility to provide any electronic products with necessary software to meet the expectation in "4S- section". Here, in this case it may be "EMS" and that is implied with TEC GR# TECGR-PON-002-02-Nov-18. The bidder may do the proper due diligence while selecting OEM.	Please clarify on the 4S section in the RFP , There is not seperate section 4S in RFP ,We understand <i>4S means The Service Portfolio, Service provisioning, Service Performance Monitoring, Service Audit and Security Compliance are also applicable for the solution implemented through alternate technology "</i> Please clarify	Pls read the modified clause as "It is the bidder's responsibility to provide any electronic products with necessary software to meet the RFP expectation. Here, in this case it may be "EMS" and that is implied with TEC GR# TEC-GR-PON-002-02-Nov-18. The

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					bidder may do the proper due diligence while selecting OEM."
3 1 2	Category-2: Aggregation Layer (Sub-Block to Master-Block/Sub- Block),		The Routers and RFMS at Sub-block along with configuration, cards and SFPs shall be made	Kindly remove the reference to 'cards' from the clause, as the proposed solution is based on a 1RU fixed configuration platform, which does not support pluggable interface cards. The ports and interfaces are integrated as part of the fixed hardware design with pluggable optics (SFP).	No Change. Reference clause is in SOW and router will be Master-block or Sub-block. Understand, Master block router technical specification are of Chassis based Category VI with Control plane & Data plane redundancy.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 1 3	Page 268 of 589	j) The PIA shall have valid Type Approval Certificate	NOTE: If any item is not covered in the table above, the TSEC applicability shall be decided by GFGNL, as per prevalent guidelines mentioned in the BharatNet project guidelines.	OLT TSEC not covered, TEC-GR mandatoty Kindly confirm whether TSEC certification is required for the Mini OLT prior to shipment. Please advise if this certification must be completed before dispatch or if it can be provided at a later stage. The OEM shall need to submit a copy of valid TSEC/ TAC or proof of having applied for TSEC/ TAC (BSNL registered QF-103 or TEC Form-B) for any Govt Tender shall be submitted at the time of technical bid submission and the final certificate before commencement of shipment.	Pls read the RFP clause as "NOTE: If any item is not covered in the table above, the TSEC applicability shall be as per prevalent guidelines mentioned in the BharatNet project guidelines."
3 1 4	Techno Commer cial Bid Docume nts	12 a ,EMS for GProuters (including H/W , S/W & licenses) No. of NE 14,737	12 c EMS additional license including H/W and S/W upgradation for GP router	ems 12(a) and 12(c) both specify EMS licenses for 14,737 GP routers. Kindly clarify if this is duplicate/overlapping or intended as separate scope additional and confirm if consolidation is required.	It is inline with EMS with 1+1 failover configuration mentioned in RFP clause - 5.1 (g)

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 1 5	Page 178 of 589	55. MIS Report:	solution should be able to generate the following reports 16 different type of reports being requested Page 179/180 of 589	We request you to kindly provide Sample parameters/fields to be included in each report requested in the RFP as MIS/EMS/NMS reports . The expected report format/template for each report mentioned in the RFP will be to Help information is required to accurately assess the scope and enable precise effort	The reports specified under MIS/EMS/NMS are indicative in nature and intended to capture operational, performance, fault, inventory, availability, utilization, SLA and management information required for effective monitoring and governance of the network and associated infrastructure. The selected bidder shall provision standard industry-grade reporting capabilities as part of the proposed MIS/EMS/NMS solution. The report formats, fields, parameters, frequency, dashboards and templates shall be finalized during the

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					implementation phase in consultation with the IE(Independent Engineer) based on operational requirements. Bidders are advised to consider all relevant parameters necessary for comprehensive monitoring, management, analytics, SLA measurement and performance reporting of the proposed solution while estimating the scope of work. No additional cost shall be payable on this account.
3 1 6	III. Techni cal Specifi cations for EMS of Routers	1System Architecture	Distributed, scalable, and modular architecture with centralized management for multi-vendor devices.	EMS is vendor-specific and supports only the supplied router vendor. For multi-vendor environments, multiple EMS platforms will interface through the NBI. Therefore, we request you to modify the clause " Hence Delete Mutivendor Clause " Modify the Clause as Distributed,	Kindly read the modified RFP Clause as "System Architecture: Distributed, scalable, and modular architecture with

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				<i>scalable, and modular architecture with centralized management .</i>	centralized management."
3 1 7	III. Technic al Specific ations for EMS of Routers	Testing and Certification	o IETF L3SM & L2SM	We request you to modify the clause to state that <i>Layer 2 and Layer 3 services shall be supported in accordance with TEC GR specifications.</i>	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
318	III. Technical Specifications for EMS of Routers	21 Other Centralized GUI Based SDN Controll	Requires for End-to-End management of Network supporting Full FCAPS Functionality with additional features like Zero Touch Provisioning, Templates based service creation, representation of 3rd part NEs as Unmanaged Elements and present various network audit and reporting features (Dash board	1) End-to-end network visibility and management across multiple network elements and vendors is a function of the NMS, which integrates multiple EMS systems. NMS provides centralized visibility and supports full FCAPS capabilities.- We request you to kindly delete or modify this clause, as end-to-end network management is not applicable under EMS scope. Hence REquest you to delete the clause 2)The requirement specifies Zero Touch Provisioning (ZTP) at EMS level. However, ZTP implementation requires dedicated infrastructure such as: DHCP servers (with redundancy) Configuration templates for various network elements (RFMS, Smart Rack, Router, etc.) IP address management and automated configurationHere is a professionally structure : ZTP for a complete, multi-vendor network is typically implemented at the NMS level or via a separate ZTP infrastructure, rather than within a single EMS platform.: Request you please delete this clause from router EMS Move to NMS or Seperate Network requirement section 3)Centralized GUI Based SDN Controller is not part of Central bharathnet EMS for router specifications , REquest you to please aline the specs as per Central	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				bharathnet DBN specified specifications for router EMS	

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 1 9	IX. Technical Specifications for CPE (customer premise equipment) L2 manageable switch –	3.0 MAC	Support for minimum 8K MAC entries	The existing minimum capacity of 8K MAC entries may be insufficient to support modern enterprise and high-density network environments. With the increasing number of connected devices, adoption of virtualization, VLAN segmentation, and IoT deployments, the MAC table size requirement has significantly grown. Enhancing the minimum MAC table capacity to 16K will: Ensure improved scalability to accommodate network expansion Prevent MAC table overflow and associated traffic flooding issues Maintain optimal switching performance in dense deployments Support future growth and evolving network architecture requirements Therefore, it is recommended to revise the requirement to a minimum of 16K MAC entries to align with current and future network demands.	No change. The provision shall remain as per the RFP.
3 2 0	Page 407 of 589 III. Technical Specifications	4 Configuration Management	Auto-discovery of devices, configuration backup/restore, version control, and support for parameter template validation.	Request you to modify the Clause for better understanding, Clarity functionality. Modify clause as " configuration Management Auto-discovery of devices, configuration backup/restore, version control, and support for template based Configuration	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
	for EMS of Routers				
3 2 1	Page 408 of 589 III. Technic al Specific ations for EMS of Routers	16 Compliance	Adherence to ITU-T M.3010, M.3020, and TEC standards TEC/SD/IT/EMT-001/01/MAR-2016 and TEC/GR/SW/EMS-001/02/NOV-09. or equivalent STANDARD FOR GENERIC REQUIREMENTS TEC 48050:2024	Routers under BharatNet Phase-III must comply with the BSNL Master RFP specifications. Accordingly, the Router EMS specifications should be strictly aligned with the BSNL Master RFP requirements. As per the RFP, Router EMS compliance shall adhere to the “STANDARD FOR GENERIC REQUIREMENTS TEC 48050:2024”, instead of referencing multiple legacy standards (such as 2016, Nov’09, ITU, etc). Therefore, it is requested to revise this clause as follows: <i>Router EMS must comply & certified with TEC 48050:2024 (Standard for Generic Requirements).</i> <i>Router EMS should be TSEC certified against the BSNL Master Tender, or certification must be completed prior to shipment.</i>	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 2 2	3.1 PRE- QUALIFI CATION CRITERI A	Page 39 of 589 4 Router OEM Experience	The offered Make-Model for Block Router and GP Routers can be from same OEM or different OEM. However, the same or its earlier version should have been supplied for minimum 30% of required quantities for each relevant line item under the financial bid Line Items 4(a), 4(b), and 4(c)."	Allowing different OEMs for Block Routers (Type A & Type B separately) and GP Routers (Type C & Type D separately) is likely to create huge operational and interoperability challenges. The RFP also permits quoting of primary and secondary OEMs for each line item, which further increases complexity. Additionally, as separate EMS are required for each OEM, managing multiple OEM ecosystems will make centralized network management extremely difficult and inefficient. In view of the above and to ensure simplified network operations, better interoperability, and ease of maintenance, we recommend that both Block Routers and GP Routers be procured from a single OEM. Further, the qualification criteria as defined in the tender should uniformly apply.	Allowing only one OEM would be restrictive in nature and will limit competition. To ensure wider participation and competitive bidding, the RFP provision permitting same or different OEMs for Block and GP Routers stands unchanged. The bidder is further advised that overall system integration, interoperability, and centralized network management shall be the responsibility of the PIA, and shall be ensured in compliance with the RFP requirements. Accordingly, there is no change in the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 2 3	Techno Commer cial Bid Docume nts	12 a ,EMS for GProuters (includingH/W , S/W & licenses) No.of NE 14,737	12 c EMS additional license including H/W and S/W upgradation for GP router	ems 12(a) and 12(c) both specify EMS licenses for 14,737 GP routers. Kindly clarify if this is duplicate/overlapping or intended as separate scope additional and confirm if consolidation is required.	It is inline with EMS with 1+1 failover configuration mentioned in RFP clause - 5.1 (g)
3 2 4	II. Technic al Specific ations for Routers Page 406 of 589	20 PQC	20 PQC(Post Quantum Cryptography)- Quantum Safe feature support	PQC applicability across active elements applicable to network elements including router defined in Indian instandered ITSAR already Covers, In paralell TSEC-GR compliant covers safe security features exsit like IBGP MD5 Authentication,OSPF MD5 Authentication , RSVP authentication with keys etc are sufficient to meet the requirement of the bharathnet router network with PQC security matrix defined in ITSAR , TEC-GR in central bharathnet Tenders , The PQC / Quantum Safe requirement is currently generic . This is not part of Master BSNL Tender released recenlty , We request you to delete the clause .	The relevant clause has been revised/removed. Bidders are requested to kindly refer to the Corrigendum/Maste r RFP for the updated provision
3 2 5	II. Technic al Specific ations for Routers	Page 407 of 589 Note:1 The category	The category of router and applicability of latest TEC GR is fundamentally in alignment with BSNL central RFP. the bidder/OEM must comply with the category B QM-333 standard or an equivalent international standard.	The clause mentions compliance with QM-333 or equivalent international standard.We request removal of the term “or equivalent international standard”, as it introduces ambiguity and may lead to non-uniform evaluation across bidders.It is recommended to mandate compliance strictly with latest TEC GR QM-333, aligned with BSNL	Note:1 "The category of router and applicability of latest TEC GR is fundamentally in alignment with BSNL central RFP. the bidder/OEM must comply with the category B QM-

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				standards, to ensure consistency and fair comparison	333 standard or an equivalent international standard." stands deleted
3 2 6	Section 3, Eligibility Criteria Page 39	3.1 (4)	The offered Make-Model for Block Router and GP Routers can be from same OEM or different OEM. However, the same or its earlier version should have been supplied for minimum 30% of required quantities for each relevant line item under the financial bid Line Items 4(a), 4(b), and 4(c)." In case of Class-I & Class-II local suppliers (as per prevalent DPIIT, GoI guidelines mentioned in tender), the offered Make-Model for each Block Router and each GP Routers or its earlier version should have been supplied for minimum 10% of required quantities.	As per tender Clause 4.77 (h) the Department of Telecommunications (DoT) Notification dated 21st October 2024 is applicable to this tender. Para 4 of the aforementioned DOT notification states, "In terms of Clause 2, 3 and 11 of the DPIIT's PPP-MII Order dated 19.07.2024, it is hereby notified that telecom products, services and works listed in Table-A have sufficient local capacity and local competition. A	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 2 7	Section 4 Page 120	4.77 (h)	4.77 PUBLIC PROCUREMENTS- MAKE IN INDIA (MII) (h) The provisions of the Public Procurement (Preference to Make in India) Order 2017 dated June 15, 2017 (29th August 2018, 21st October 2024 or subsequent revisions, if any) by Department of Industrial Policy and Promotion, Govt shall apply to this tender to the extent feasible. However, the participation is open to all i.e. Class-I, Class-II and to Non-local suppliers. 4.78 CONDITIONS FOR FIELD TRIAL OF THE CLASS I/ CLASS II LOCAL SUPPLIERS FOR ROUTERS	Class-I local supplier must meet the Minimum Local Content (MLC) requirement specified against each item in Table-A.....". Further, Item (2) of Table A mandates that IP Edge, Aggregation & Core Routers (overall capacity <=1 Tbps) should have minimum Local Content of 60% or more. The GP Routers and Block Routers asked in the GFGNL tender have overall capacity <=1 Tbps. We understand that the GP Routers and Block Routers have sufficient local capacity and competetion and therefore should compulsorily meet the minimum Local content requirement of 60% .	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 2 8	Section 4 Page 121	4.78 (III)	4.78 CONDITIONS FOR FIELD TRIAL OF THE CLASS I/ CLASS II LOCAL SUPPLIERS FOR ROUTERS In case, a bidder quotes a router model (OEM-1) of a Class I/ II local supplier (as defined in the DPIIT guidelines mentioned), which does not meet the criteria as defined above, it must also quote another model (OEM-2) of some other OEM meeting the above required criteria	Class II or non local Routers would be non-compliant to the condition of 60% minimum local content and hence not eligible to be quoted. Please confirm.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 2 9	Section 4 Page 122	4.78 (XIV)	The supplied products under this project shall meet the extant guidelines on MTCTE issued by TEC from time to time for various telecom equipment	Please refer para 2 of DoT Notification no. 1-6/2022-TC/TEC dated 27/02/2023 regarding " Notification of WiFi CPE and IP Router including security testing under MTCTE-regd". Para 2 states " the OEMs who have been given MTCTE certificate (based on ER) or whose application are under process for said products before 01/07/2023 are also required to manadatorily apply for conversion of their MTCTE certificate to integrated certificate with security testing....." As this is a mandatory requirement, it is requested to confirm that bidders are required to produce MTCTE Certificate with Security testing for the offered equipment in this tender and that earlier issued MTCTE certificates based on ER only criteria will not be accepted.	The Clause is self explanatory, Compliance shall be ensured as per extant MTCTE notifications and regulatory requirements; no separate deviation is permitted.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
330	Section 10 Annexure B - ii (Technical Specifications for Routers) Page 402	2	GP routers Type-C c. 4 port 1G electrical RJ45(Without SFP)	A universal port can operate as either an electrical (RJ45) interface or an optical interface through the use of the appropriate transceiver/module, offering significantly greater deployment flexibility than fixed-type ports. Universal ports provide superior port utilization, investment protection, simplified inventory management, and seamless migration between copper and fiber connectivity compared to fixed RJ45 interfaces. This enables service providers to adapt to evolving network requirements while reducing both CAPEX and OPEX. Considering these advantages, several national and state-level BBNL tenders have specified 4 × 1GE ports with 10 km optical pluggable transceivers instead of fixed RJ45 ports, thereby ensuring greater deployment flexibility and long-term scalability of the network infrastructure. Request to amend the clause as: c. 4 ports of 1G configurable as either an electrical (RJ45) interface or an optical interface	Pls read the modified RFP clause as "4 port 1G (with 10km Optical or Electrical pluggable/SFP)" instead of "4 port electrical 1G ethernet (RJ45 without SFP)" for Type-C and "4 port 1G electrical RJ45(Without SFP)" for Type-D routers specifications

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
331	Section 10 Annexure B - ii (Technical Specifications for Routers) Page 402	2	GP routers Type-D c. 4 port 1G electrical RJ45(Without SFP)	A universal port can operate as either an electrical (RJ45) interface or an optical interface through the use of the appropriate transceiver/module, offering significantly greater deployment flexibility than fixed-type ports. Universal ports provide superior port utilization, investment protection, simplified inventory management, and seamless migration between copper and fiber connectivity compared to fixed RJ45 interfaces. This enables service providers to adapt to evolving network requirements while reducing both CAPEX and OPEX. Considering these advantages, several national and state-level BBNL tenders have specified 4 × 1GE ports with 10 km optical pluggable transceivers instead of fixed RJ45 ports, thereby ensuring greater deployment flexibility and long-term scalability of the network infrastructure. Request to amend the clause as: c. 4 ports of 1G configurable as either an electrical (RJ45) interface or an optical interface	Pls read the modified RFP clause as "4 port 1G (with 10km Optical or Electrical pluggable/SFP)" instead of "4 port electrical 1G ethernet (RJ45 without SFP)" for Type-C and "4 port 1G electrical RJ45(Without SFP)" for Type-D routers specifications

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 3 2	Section 10 Annexur e B - ii (Technic al Specific ations for Routers) Page 406	20	PQC(Post Quantum Cryptography)- Quantum Safe feature support	It is requested to clarify that the PQC/Quantum Safe feature requirement shall be applicable only to the SNOC solution and associated security infrastructure. Compliance of GP and Block MPLS-IP routers may be evaluated based on support for industry-standard security mechanisms like ITSAR standard and cryptographic agility, without mandating native PQC functionality on access and aggregation routers. This clarification will ensure wider participation, promote fair competition, and avoid restricting otherwise fully compliant MPLS-IP routing solutions that meet all transport, service, interoperability, and performance requirements envisaged under the BharatNet project.	The relevant clause has been revised/removed. Bidders are requested to kindly refer to the Corrigendum/Maste r RFP for the updated provision
3 3 3	Section 10 Annexur e B - XI Page 420	Sr. 1/Type	Online for GR 66140:2019 or latest updates without any Hybrid functionality	We suggest to refer the HUPS TEC GR No. TEC 66160:2024 for this Tender with Inverter Rating 1KVA. Kindly confirm.	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 3 4	Section 10 Annexur e B - XI Page 420	Sr. 1/Type	Online for GR 66140:2019 or latest updates without any Hybrid functionality	We suggest to refer the HUPS TEC GR No. TEC 66160:2024 for this Tender with Inverter Rating 500VA. Referring to this solution eliminates the need for OEMs to obtain multiple TSECs for HUPS. We have valid TSEC as per TEC GR No. TEC 66160:2024 with Inverter Rating 500VA for BSNL BharatNet Phase-III project. Kindly confirm	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.
3 3 5	Section 10 Annexur e B - XI Page 420	Sr. 8/Electrical Safety	Isolation Transformer for Source Isolation	Please confirm the electrical safety requirements, particularly regarding isolation. In a similar solution (e.g., Bharatnet Phase III), isolation has been provided in the DC mode of the inverter, while no isolation is given in static bypass mode. Kindly clarify if the same approach is to be followed—i.e., whether isolation is required only in DC mode, or in both DC mode and inverter static bypass mode?	No change. The provision shall remain as per the RFP, Isolation transformer for Source isolation
3 3 6	Section 10 Annexur e B - XI Page 422	Note :3	Note:3 For monitoring major parameters including Input & Output Voltages, Inside & Outside Temperature, Alarms, % battery back up time left. The monitoring should be possible from SNOC/ Central NOC in real time. Delay in any alarm incident will invite the penalty. For example, for any instance on delay in alarm will be penalized with 0.2% of quarterly O&M billing amount and this will be over and above the maximum O&M cap limit of the O&M billing amount.	Need to clarify ,why Inside & Outside Temperature required in UPS Body.It should be part of Rack at GP for monitoring .	Kindly read the modified clause as "For monitoring major parameters including Input & Output Voltages, Inside Temperature, Alarms, % battery back up time left."

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 3 7	Section 10 Annexur e B - XIV Page 426	Rack at GP Locations/Sr.2	Dimension:Height =24U standard (approx. 2000– 2050 mm external height) Width=600 mm or 800 mm depending on cable volume Depth=1000–1200 mm (choose based on server/storage depth)	Kindly provide the Cable Volume & server/storage depth & also provide the equipment details which are accommodate inside Rack as GP.	Refer the updated clause in specification. However, the Cable and equipment details are part of "Design, Construction, Supply, Implementation, Testing & Commissioning and Operation & Management" Model of RFP
3 3 8	Section 10 Annexur e B - XIV Page 426	Rack at GP Locations/Sr.1 0	Misc.:As per site requirement with provision for minimum 20% additional space for future expansion.	Kindly provide the all installed equipment details which are accommodate inside Rack as GP so that sizing can done.	It is "Design, Construction, Supply, Implementation, Testing & Commissioning and Operation & Management" Model of RFP including existing network HoTo

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 3 9	Section 10 Annexur e B - XIV Page 427	Rack at GP Locations/Sr.1 6	Frame Material: Zinc magnesium coating or GI Material with duly powder coated with UV Resistant pure polyester with 25mm system punching in the roof and base frame plus vertical sections with two mounting levels, rolled out of a single sheet.	We suggest to refer to the previous BSNL Bharatnet Tender T-852, it was clarified that: '25 mm system punching is optional provided all the planned equipment can be I3148 fitted in the rack I3155' Kindly confirm if the same is applicable in this tender.	It is optional, however bidder has to ensure quality as per given specifications.
3 4 0	Section 10 Annexur e B - XIV Page 427	Rack at GP Locations/Sr.1 7	Enclosure Flat parts material: Galvanized sheet steel 1.5mm / 2 mm thick of 120 GSM / Front single door with 4-point locking system and rear panel bolttable from inside in single-walled construction with door stay, Side panels left and right in single-walled construction bolttable from inside, Rain canopy of 75mm height with projection all around, with 300 mm base plinth of 3mm thick, The enclosure Flat parts to be gasketed with Outdoor Polyurethane foam gasket, the fasteners will be of SS 304 grade suitable for outdoor application. Note: Principle requirement is to secure the devices inside the rack with lock and without damaging from the external factors.	We suggest to refer to the previous BSNL Bharatnet Tender T-852, it was clarified that: 'All the door, side and rear panels may be individually constructed out of separate single sheets.' Kindly confirm if the same is applicable in this tender.	Clause is self explanatory

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 4 1	Section 10 Annexur e B - XIV Page 426	Rack at GP Locations/Sr.8	Misc.:To be provided with cable manager and patch panel	Kindly confirm the scope and specification of the patch panel and fabrication stand. Specifically, should the minimum height be 600 mm above the floor level?	Kindly read the modified clause as "Scope of patch panel is for the routing of patchcords and cables. Rack should be minimum 200 mm above the ground level. The Bidder may provide fabricated stand or inbuilt base stand."
3 4 2	Section 10 Annexur e B - XI Page 421	Sr. 23/UPS Body	As per Tender " Technical Specification for UPS at GR" for UPS Body it is mentioned "Metal with one unibody design includes UPS and Battery Bank with grouted on floor with anti-theft mechanism"	1. If any servicing or maintenance is required on Battery we have to replace complete unit, as battery cannot be repaired at site. 2. Since Lib battery are of higher energy density , we recommend to ship the Battery separately from UPS. We suggest that both units i.e UPS and LiB Battery should be separate and connected at site. Since GR is separate for LiB as well as UPS , hence single unit with both UPS & LiB we propose to put both in same rack with digital locking provision.	No change. The provision shall remain as per the RFP, and the bidder may design as per O&M ease.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 4 3	Section 10 Technical Specification (Annexure A) Page 395	1	Armoured Optical Fibre Cable for underground application TEC GR Standard No.: TEC 85170:2024(For Armoured Optical cable for Underground duct applications) & 85260:2024 (For Ribbon Optical cable for Underground duct applications) Type of Fibre : G.652 D fibre with bend insensitive property of (G.657A1)	We Understand that the Armoured optical fiber cable for Underground application is required as per TEC GR : 85170:2024 & Underground duct Ribbon optical cable as per TEC GR 85260:2024. Please confirm the fiber count required as per the TEC GR.	Pls refer RFP section - 10 >> Annexure-B, V. Technical Specifications for OFC and RFP Section - 5 Scope of work including Fiberization and Design principles.
3 4 4	Section 10 Technical Specification (Annexure A) Page 396	2	Armored Optical Fiber Cable for underground application. 24F/48F loose tube TEC GR Standard No.: TEC 85170:2024 with latest amendments. Although in this TEC/ GR only optical fiber of G.652 D is mentioned but vendor shall have liberty to use G.657A1 also as per ITU-T recommendation.	Please confirm which fiber count is required 24F or 48F as per TEC GR 85170:2024	Pls refer RFP section - 10 >> Annexure-B, V. Technical Specifications for OFC and RFP Section - 5 Scope of work including Fiberization and Design principles.
3 4 5	Section 10 Technical Specification (Annexure A) Page 396	3	Armored Optical Fiber Cable for underground application. 48F / 96F ribbon TEC GR/ Standard No.: TEC 85260:2024 with latest amendment. The above-mentioned TEC Standard No. shall supersede The Technical Specifications issued vide Amendment No.– 13 dated 08.05.2024 Type of Fibre : G.652 D fibre with bend insensitive property of (G.657A1)	We Understand that cable is required as TEC GR 85260:2024 with latest amendment. Please confirm which fiber count is required 48F or 96F ribbon.	Pls refer RFP section - 10 >> Annexure-B, V. Technical Specifications for OFC and RFP Section - 5 Scope of work including Fiberization and Design principles.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 4 6	Section 10 Technical Specification (Annexure A) Page 396	4	Aerial OF Cable (ADSS Cable): 48/24F ADSS on power lines TEC GR Standard No.: TEC 85190:2022 (Type- A-I semi dry core without ice loading) with latest amendments.	We Understand that cable is required as TEC GR 85190:2022 (Type- A-I semi dry core without ice loading) with latest amendment. Please confirm which fiber count is required 48F or 24F ADSS.	Pls refer RFP section - 10 >> Annexure-B, V. Technical Specifications for OFC and RFP Section - 5 Scope of work including Fiberization and Design principles.
3 4 7	Section 10 Technical Specification (Annexure A) Page 396	5	6F /12F/24F / Aerial Drop Optical Fibre Cable with Installation Accessories (For Last mile applications) TEC GR Standard No.: TEC 85200:2022 with latest amendments if any.	We Understand that cable is required as TEC GR 85200:2022 with latest amendment. Please confirm which fiber count is required 6F or 12F or 24F.	Pls refer RFP section - 10 >> Annexure-B, V. Technical Specifications for OFC and RFP Section - 5 Scope of work including Fiberization and Design principles.
3 4 8	Section 10 Technical Specification (Annexure A) Page 396	8	TEC GR Standard No.: TEC 87070:2009, with latest amendments if any. (Patch cords shall be supplied with source approval from CACT, against the relevant GR)	Please specify the connector type (SC/LC) that will be used on either end of the patch cords along with Polishing Type (PC/APC) along with the length of the cable assembly.	It is "Design, Construction, Supply, Implementation, Testing & Commissioning and Operation & Management" Model of RFP including existing network HoTo

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 4 9	Section 10 Technical Specification (Annexure A) Page 396	9	TEC GR Standard No.: TEC 87080:2010 with all amendments if any. Size to be used as per OFC used at site	What will be the Pole Diameter. Please clarify	It is "Design, Construction, Supply, Implementation, Testing & Commissioning and Operation & Management" Model of RFP including existing network HoTo
3 5 0	Section 10 Technical Specification (Annexure A) Page 397	14	TEC GR Standard No.: TEC 87010:2007, with Amendment Dated 02.05.2012 and with latest amendments if any (Fibre Termination Box/FDMS Type-IIIA & IIIB – 48F at GP locations) Fibre termination in GP can be accommodated in a rack used for router and other equipment. 01 No. 48 fibre rack mount shelf to be used for fibre termination as per GR 87010:2017	What will be the fiber type i.e Individual or Ribbon Type, please clarify.	Pls refer RFP section - 10 >> Annexure-B, V. Technical Specifications for OFC and RFP Section - 5 Scope of work including Fiberization and Design principles.
3 5 1	Section 10 Technical Specification (Annexure A) Page 397	TECHNICAL SPECIFICATION NS	Fibre Distribution Management System Type1 at Sub-Block location (96F FDMS(Fully loaded including enclosure))	Is all FDMS Type I rack will be loaded with 2 Nos. of Rack Mount Shelf of capacity 48F. Is the Fiber type Individual Fiber or Ribbon Fiber , please clarify	Pls refer RFP section - 10 >> Annexure-B, V. Technical Specifications for OFC and RFP Section - 5 Scope of work including Fiberization and Design principles.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 5 2	Section 10 Technical Specification (Annexure A) Page 397	TECHNICAL SPECIFICATIONS	Fibre Distribution Management System GP location (48F FDMS(Fully loaded including enclosure))	Please confirm if the required solution of 48F is of Fiber Rack Mount Shelf as per GR 87010:2017. Also is it Individual or Ribbon type Fiber, please clarify	Pls refer RFP section - 10 >> Annexure-B, V. Technical Specifications for OFC and RFP Section - 5 Scope of work including Fiberization and Design principles.
3 5 3	4.77 Public procurements MII	E	The bidder must source notified items mandatorily from Class-I local suppliers. The overall local content of bid shall be calculated as per Clause 2(e) of the DPIIT PPP-MII order, which states: "For contracts involving the supply of multiple items, the weighted average of all items shall be taken while calculating the local content	This clause is restricting us from participation as it mandates procurement of routers (notified items) from class I supplier only. We request you to remove this clause to allow us to participate.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 5 4	Section 10. Annexur e B II - tech Specs of routers Type A	2	The router can be Chassis based for Type A with Control plane & Data plane redundancy but shall be of non-chassis based 1RU form-factor for Type B. Routers shall be as per requirement of chasis and non chasis router defined in GR 48050:2022 Block Routers shall be of two configuration: (1) Type A(Master Block)- Router should support switching capacity of minimum 800 Gbps. The router should be enabled on day 1 with the following configuration: a. 4 port of 100G (with 40km /80Km pluggable) b. 12 port of 10 G (with 40km pluggable) c. 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP)	The block router specifications only specify the ports / capacity requirement. There is no design based calculation as to the traffic that will be handled by the particular device. Requesting GFGNL to clarify how it will ensure while evaluation whether the quoted device is suitable to be deployed as master block router.	It is "Design, Construction, Supply, Implementation, Testing & Commissioning and Operation & Management" Model of RFP. Bidder has to meet RFP requirement including SOW and technical specifications. It should be evaluated by IE/GFGNL before FWO.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 5 5	Section 10. Annexur e B II - tech Specs of routers Type B	2	Type B (Sub-Block) Router should support switching capacity of minimum 300 Gbps. The router should be enabled on day 1 with the following configuration: 2 port of 100G (with 40km / 80Km pluggable) 8 port of 10G (with 40km pluggable) 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP)	"With the no. of interfaces asked, The total throughput required in the router is 2 x 100G = 200G 8 x 10G = 80G 4 x 1/10G = 40G Total = 320 Gbps Considering the traffic envisaged by GFGNL in near future, Request GFGNL to increase the Block router throughput ask to minimum 520 Gbps."	No change. The provision shall remain as per the RFP.
3 5 6	Section 10. Annexur e B II - tech Specs of routers Type B	2	"Type B (Sub-Block) Router should support switching capacity of minimum 300 Gbps. The router should be enabled on day 1 with the following configuration: 2 port of 100G (with 40km / 80Km pluggable) 8 port of 10G (with 40km pluggable) 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP)"	The traffic at each GP is 1Gbps on day 1 and scalable to 10G. Even if the traffic scales to 2Gbps then the total traffic in the ring would be 12 Gbps (2Gbps x 6 routers in a ring). So the sub block router will need 25 Gbps interfaces to cater to this increased traffc. We request you to ask for 25G interfaces in addition to the asked interfaces.	Pls refer RFP clause - 5.14 >> I) Modification in the Ring Architecture to meet increased Bandwidth Requirement
3 5 7	Section- 10	TBD	Router Specifications	Kindly provide detailed technical specifications and feature requirements for all routers to be deployed in the network.	Pls refer RFP section - 10, Annexure-B, II.Technical Specifications for Routers

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 5 8	Section- 10	TBD	Network Components	Kindly provide detailed Bill of Material and technical specifications of all active network components covered under the project scope.	Pls refer RFP sections - 8 and 10
3 5 9	Section- 10	TBD	NOC Router	Kindly specify minimum interface density, throughput, redundancy requirements, MPLS features, and scalability requirements for State NOC Routers.	There is no NOC router require
3 6 0	Section- 10	TBD	Core Switch	Kindly provide detailed specifications including switching capacity, forwarding rate, interface requirements, Layer-2/Layer-3 features, redundancy and high availability requirements for Core Switches.	There is no Core switch require
3 6 1	Section- 10	TBD	Aggregation Router	Kindly clarify the minimum hardware requirements, port configuration, routing protocols, MPLS capabilities and scalability requirements for Aggregation Routers.	Pls refer RFP section - 10, Annexure-B, II.Technical Specifications for Routers
3 6 2	Section- 10	TBD	Access Router / Switch	Kindly provide detailed specifications including interface types, switching capacity, Layer-2/Layer-3 features, uplink requirements and redundancy requirements for Access Routers/Switches.	Pls refer RFP section - 10, Annexure-B, II.Technical Specifications for Routers and IX. Technical Specifications for CPE (customer premise equipment) L2 manageable switch – 24 ports

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 6 3	Section-10	TBD	OLT (Optical Line Terminal)	Kindly specify detailed technical requirements including PON technology, uplink interfaces, subscriber capacity, redundancy and management features for OLT equipment.	Pls refer RFP section - 10, Annexure-B, VII. Technical Specifications for Mini-OLT
3 6 4	Section-10	TBD	ONU / ONT	Kindly provide detailed specifications including interface requirements, Wi-Fi capability, power requirements and management features for ONU/ONT devices.	Pls refer RFP section - 10, Annexure-B, VIII. Technical Specifications For ONT(Optical Network Terminal) manageable
3 6 5	Page 22 of 589	v) Fact Sheet	19. Contract Duration 10 Years (3 Years of Implementation(As per Project timeline section), 10 Years of Operation and Maintenance) from the date of assigning workorder	We understand that O&M of the components shall start from respective Go-Live of the GPs and overall contract duration shall be capped at 10 years starting from Contract Signing (including 3 years of Implementation). Kindly Confirm.	This clause is self-explanatory. The overall duration of the ABP shall be 10 years. The scope includes Operation and Maintenance (O&M) of the existing network from Day One, along with the implementation of the initial IP-MPLS ring connectivity project and subsequent O&M of the newly created network. Furthermore, based on performance and requirements

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					specified in the tender, the contract may be considered for extension. Bidders are advised to refer to Clause 4.53(II) for provisions related to extension beyond the initial 10-year period.
3 6 6	Page 22 of 589	v) Fact Sheet	19. Contract Duration 10 Years (3 Years of Implementation(As per Project timeline section), 10 Years of Operation and Maintenance) from the date of assigning workorder	Incase there is a delay in commisioning few of the GPs due to any reason, and complete project implementation is getting delayed due to same, we understand that contract duration shall not be extended beyond 10 years. Please confirm	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 6 7	Section 6 Page 256 of 589	6.2 PROJECT TIMELINES	6.2 PROJECT TIMELINES *Milestone (I) - T0+ 180 Days - Aggregate commissioning of 12% GPs in a ring visible on the S-NOC *Milestone (II) -T0+ 360 Days - Aggregate commissioning of 40% GPs Phase-I in a ring visible on the S-NOC *Milestone (III) - T0+ 540 Days - Aggregate commissioning of 60% GPs in a ring visible on the S-NOC *Milestone (IV) - T0+ 720 Days -Aggregate commissioning of 80% GPs in a ring visible on the S-NOC *Milestone (V) - T0+ 900 Days - Aggregate commissioning of 100% GPs in a ring visible on the S-NOC	We request you to amend the project milestones timelines as below: *Milestone (I) - T0+ 180 Days 240 Days - Aggregate commissioning of 12% GPs in a ring visible on the S-NOC *Milestone (II) -T0+ 360 Days 450 Days - Aggregate commissioning of 40% GPs Phase-I in a ring visible on the S-NOC *Milestone (III) - T0+ 540 Days 690 Days - Aggregate commissioning of 60% GPs in a ring visible on the S-NOC *Milestone (IV) - T0+ 720 Days 810 Days -Aggregate commissioning of 80% GPs in a ring visible on the S-NOC *Milestone (V) - T0+ 900 Days 1050 Days - Aggregate commissioning of 100% GPs in a ring visible on the S-NOC	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 6 8	Section 6 Page 251 of 589	6.1 SNOC COMPONENTS DELIVERY TIMELINES	* T + 1 Week - Mobilization & Initial Readiness - 10% of NOC total Capex Value * T + 2 Weeks - Core NOC Platform Deployment - 20% of NOC total Capex Value * T + 3 Weeks - Basic Operationalization - 10% of NOC total Capex Value * T + 4 Weeks - Full Operational Readiness (Critical Milestone) - 20% of NOC total Capex Value * T + 6 Weeks - Integration & Service Enablement - 10% of NOC total Capex Value * T + 8 Weeks - Advanced Configuration & Stabilization - 5% of NOC total Capex Value * T + 10 Weeks - Pre-Final Readiness - 5% of NOC total Capex Value * T + 12 Weeks (90 Days) - Final Acceptance & Go-Live- 20% of NOC total Capex Value	We request you to amend the SNOC timelines and Payment terms as below: * T + 1 Week 4 Week - Mobilization & Initial Readiness - 10% of NOC total Capex Value * T + 2 Weeks 12 Week - Supply of materials and software for NOC - 50% of Noc Total Capex Value on prorata basis. - Core NOC Platform Deployment - 20% 20% of NOC total Capex Value * T + 3 Weeks 16 Week - Basic Operationalization - 10% 5% of NOC total Capex Value * T + 4 Weeks 20 Week - Full Operational Readiness (Critical Milestone) - 20% 5% of NOC total Capex Value * T + 6 Weeks 24 Week - Integration & Service Enablement - 10% 5% of NOC total Capex Value * T + 8 Weeks 28 Week - Advanced Configuration & Stabilization - 5% 5% of NOC total Capex Value * T + 10 Weeks 30 Week - Pre-Final Readiness - 5% 5% of NOC total Capex Value * T + 12 Weeks (90 Days) 32 Weeks - Final Acceptance & Go-Live- 20% 5% of NOC total Capex Value	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision

3 6 9	Section 6 Page 45 of 589	6.4 PAYMENT SCHEDULE OF PROJECT/ PAYMENT OF BID PROJECT COST	h) For GPs planned in a Ring: Payments: 1a. Commissioning of electronic equipment (router) at Sub-Block including master-block - 75% of Sub-Block equipment cost 1b. Commissioning of electronic equipment (router) at GP - 75% of GP equipment cost 2. Commissioning of at least 90% electronic equipment (router) of a ring (at least 90% GPs including Sub-Block to sub-block in a ring) - 5% of equipment cost (sub Block and GP) 3. Commissioning of individual rings as specified in SI No. 2 - 80% of OFC construction cost*** 4. 90% GPs of respective Sub-Block visible in SNOC including master-block(co-located sub block) - 10% of equipment and OFC construction cost 5. At-least 90% GPs of 90% Sub-Blocks are completed (visible in S NoC) - 5% of OFC construction cost 6. Completion of project with or without short closure - 5% of OFC construction cost	It is requested to kindly amend the clause: Payments : 1a- 1. Supply of Block equipment - 75% of Block Equipment cost on prorata basis upon supply at Block warehouse 1a-2. Commissioning of electronic equipment (router) at Block:10% of Block equipment cost on prorata basis 1b-1 : Supply of GP Equipment - 75% of GP Equipment cost on prorata basis upon supply at Block warehouse 1b-2: Commissioning of electronic equipment (router) at GP* :10% of GP equipment cost on prorata basis 1c-1 : Supply of OFC and Accessories for GP and Block ring - 75% of cost of OFC and Accessories on prorata basis upon supply at Block warehouse 1c-2 : End to end testing of individual OFC Link - 10% of cost of OFC and accessories. 2.Commissioning of atleast 90%50% electronic equipment (router) of a ring : 5% of equipment (Block & GP) 3.Commissioning of individual rings as specified in SI.No. 2 (validated through C-NOC by IP ping)**5% of OFC construction cost: Cumulative payment 90% 4. 90% GPs of respective Block visible in S-NOC: 10% 2.5% of equipment and OFC construction cost 5. At-least 90% GPs of 90% Blocks are completed (visible in S NoC): 5%2.5% of equipment and OFC construction cost 6. All 100% GPs of 90% Blocks are	No change. The provision shall remain as per the RFP.
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				completed: 2.5% of equipment and OFC construction cost 7. Completion of project with or without short closure: 5% 2.5% of equipment and OFC construction cost	
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
370	Section 6 Page 36 of 589	3.1 PRE-QUALIFICATION CRITERIA	#Table-02 For Lead Bidder and Consortium B). Total Experience Of OFC Project(Km) Consortium Partner and/or Lead Bidder In Last 10 Years Three(3) Orders/Organization Work, each having 12,000Km or Rs. 500 Cr. (Total Min. 6000 Km or Rs.250 Cr. experience from atleast one consortium partner) Or Two(2) Orders/Organization Work, each having 15,000Km or Rs. 600 Cr. (Total Min. 7500 Km or 300 Cr. experience from atleast one consortium partner) Or One(1) Order/Organization Work, each having 25,000Km or Rs. 1000 Cr. (Total Min. 12500 Km or Rs. 500 Cr experience from atleast one consortium partner) For ongoing projects (WO copy contract copy) with any one of document as legitimate evidence for claimed experience from client clearly stating total KM of Fibre/number of equipment, i) Successful Go-live Certificate, Or ii) Successful Acceptance Test Report, Or iii) Successful Work Experience Certificate	In case of Ongoing Projects, we request you to kindly accept the CA certificate for the value of as document proof for the value of completed Works. Kidly amend the clause as: <i>"For ongoing projects (WO copy contract copy) with any one of document as legitimate evidence for claimed experience from client clearly stating total KM of Fibre/number of equipment, i) Successful Go-live Certificate, Or ii) Successful Acceptance Test Report, Or iii) Successful Work Experience Certificate <u>Or iv) CA certificate certifying the value of works completed</u>"</i>	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
371	Section 6 Page 45 of 589	3.1 PRE-QUALIFICATION CRITERIA	#Table-02 For Lead Bidder and Consortium C). Experience Of OFC- O&M (Kms) Consortium Partner and/or Lead Bidder in Last 10 Years The bidder should have satisfactorily completed in the last 10 years within India, the O&M of any OFC network of 24 or more Core Under Ground OFC for the number of 'Year Kms' (for the network for which O&M has been done for at least one year) at least equal to 85,000 Kms (a minimum 40% of the O&M requirement should be met through O&M of 24 or more core aerial fibre cables) (deployed in BharatNet by BBNL or state SPV)/ ADSS/ OPGW OFC as required for EPC Network Construction capability mentioned above. Year Kms: If O&M of "X" Kms of OFC has been done for "N" years ($N \geq 1$), then 'Year Kms' = "X multiplied by N". Min. 50% experience from atleast one consortium partner	#Table-02 For Lead Bidder and Consortium C). Experience Of OFC- O&M (Kms) Consortium Partner and/or Lead Bidder in Last 10 Years The bidder should have satisfactorily completed in the last 10 years within India, the O&M of any OFC network of 24 or more Core Under Ground OFC for the number of 'Year Kms' (for the network for which O&M has been done for at least one year) at least equal to 40,000 Kms (a minimum 40% of the O&M requirement should be met through O&M of 24 or more core aerial fibre cables) (deployed in BharatNet by BBNL or state SPV)/ ADSS/ OPGW OFC as required for EPC Network Construction capability mentioned above. Year Kms: If O&M of "X" Kms of OFC has been done for "N" years ($N \geq 1$), then 'Year Kms' = "X multiplied by N". Min. 50% experience from atleast one consortium partner	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 7 2	Section 6 Page 36 of 589	3.1 PRE- QUALIFICATIO N CRITERIA	b) For OFC O&M Experience: The bidder should have satisfactorily completed in the last 10 years (from bid submission date) within India, the O&M of any OFC network of 24 or more Core Under Ground OFC [upto 40% of the O&M requirement can also be met through O&M of 24 or more core Aerial Fiber Cables] (deployed in BharatNet by BBNL or state SPV)/ ADSS/ OPGW OFC, as required for EPC Network Construction capability mentioned above in (a), refer the table details mentioned in Appendix # A	The requirement of O&M of 24 or more core Aerial Fiber Cable is contradictory at both the places. We understand that bidder can utilise "Max 40% of the Experience of OFC O&M" through Aerial Cables. Kindly confirm and amend the clause at Page 44 as below: "b) For OFC O&M Experience: The bidder should have satisfactorily completed in the last 10 years within India, the O&M of any OFC network of 24 or more Core Under Ground OFC OFC for the number of 'Year Kms' (for the network for which O&M has been done for at least one year) at least equal to 85,000 Kms (a minimum Upto 40% of the O&M requirement should be met through O&M of 24 or more core aerial fibre cables) (deployed in BharatNet by BBNL or state SPV)/ ADSS/ OPGW OFC as required for EPC Network Construction capability mentioned above. "	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Maste r RFP for the updated provision
3 7 3	Section 6 Page 44 of 589	3.1 PRE- QUALIFICATIO N CRITERIA	b) For OFC O&M Experience: The bidder should have satisfactorily completed in the last 10 years within India, the O&M of any OFC network of 24 or more Core Under Ground OFC OFC for the number of 'Year Kms' (for the network for which O&M has been done for at least one year) at least equal to 85,000 Kms (a minimum 40% of the O&M requirement should be met through O&M of 24 or more core aerial fibre cables) (deployed in BharatNet by BBNL or state SPV)/ ADSS/ OPGW OFC as required for EPC Network Construction capability mentioned above.		The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Maste r RFP for the updated provision

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 7 4	Section 3 Page 51 of 589	3.1 Pre- Qualification Criteria	Note 4: Any Bidder found to have a Conflict of Interest shall be disqualified. In the event of disqualification, GFGNL shall be entitled to blacklist/suspend the Bidder from participation in the tendering process for the work of DST(Department of Science and Technology) / any public sector undertaking engaged in Telecom / OFC business and any work under other Centrally Sponsored Schemes for a period of one year from the Bid Date and/or forfeit and appropriate the Bid Security or Performance Security, as the case may be, as mutually agreed genuine pre-estimated loss and damage likely to be suffered and incurred by GFGNL and not by way of penalty for, inter alia, the time, cost and effort of GFGNL, including consideration of such Bidder's proposal (the "Damages") without prejudice to any other right or remedy that may be available to GFGNL under the Bidding Documents or otherwise.	We would like to highlight that debarment or banning of an organization has a larger impact for business since bigger companies like L&T Technology Services operates in multiple domain, business areas and multiple geographies. Considering the same we request to amend the clause as below: Any Bidder found to have a Conflict of Interest shall be disqualified. In the event of disqualification, GFGNL shall be entitled to blacklist/suspend Terminate the Bidder from participation in the tendering process for the work of DST(Department of Science and Technology) / any public sector undertaking engaged in Telecom / OFC business and any work under other Centrally Sponsored Schemes for a period of one year from the Bid Date and/or forfeit and appropriate the Bid Security or Performance Security, as the case may be, as mutually agreed genuine pre-estimated loss and damage likely to be suffered and incurred by GFGNL and not by way of penalty for, inter alia, the time, cost and effort of GFGNL, including consideration of such Bidder's proposal (the "Damages") without prejudice to any other right or remedy that may be available to GFGNL under the Bidding Documents or otherwise.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 7 5	Section- 4 Page 104 of 589	4.67 APPENDIX-1 - CRITICAL INSTRUCTION S TO BIDDER	The following cases may also be considered for Banning of business: (a) If there is strong justification for believing that the proprietor, manager, MD, Director, partner, employee or representative of the vendor/ supplier has been guilty of malpractices such as bribery, corruption, fraud, substitution of tenders, interpolation, misrepresentation with respect to the contract in question. (b) If the vendor/ supplier fails to execute a contract or fails to execute it satisfactorily beyond the provisions of Para 4.1 & 4.2. (c) If the vendor/ supplier fails to submit required documents/ information, where required. (d) Any other ground which in the opinion of GFGNL is just and proper to order for banning of business dealing with a vendor/ supplier. Action to be taken: i) Banning of business for 3 years which implies Barring further dealing with the vendor for procurement of Goods & Services including participation in future tenders invited by DST/GFGNL for 3 years from date of issue of banning order.	Since other recourses against Contractor's default are available such as Forfeit of PBG, LD etc, It is requested to kindly remove the Banning Clause & amend as follow: Termination of PO/ WO/Forfeit of PBG, LD or as deemed suitable by GFGNL. Banning of business for 3 years which implies Barring further dealing with the vendor for procurement of Goods & Services including participation in future tenders invited by DST/GFGNL for 3 years from date of issue of banning order.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 7 6	Section 4 Page 64 of 589	4.18 REJECTION OF BIDS	Technical Rejection criteria: c. Failure to furnish all information mentioned in the RFP or submission of a bid not substantially responsive to the RFP in every respect. g. If the bid does not conform to the timelines indicated in the RFP.	We request that if authority feels that there is some shortfall in the document submitted by bidder, authority should ask clarification with adequate time to submit the required document. We understand that the rejection criteria clauses shall be applicable only when bidder is not providing the required clarifications asked by the tenderer within the given timeline. Kindly confirm.	The rejection criteria shall be applied strictly as per the provisions of the RFP. However, the Tenderer may seek clarifications/shortf all documents, at its discretion, only for minor or non-material deficiencies, and such clarifications must be submitted within the stipulated timeline given by the GFGNL. Material deviations, incomplete bids, or non-responsive bids shall remain liable for rejection without any obligation for further clarification. Refer the RFP Clause,4.20(III) for better clarity.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 7 7	Section 4 Page No. 70	4.37 Easements, Permits, Licenses and other Facilities	The PIA shall obtain at its own cost, all easements, permits and licenses, required to execute the contract including but not limited to following: a. "Right of Way" easements and permits. b. Railway, Highway, Forest and other Authorities crossing permits including bridge. c. Canal/stream crossing permits. d. ROW PIA shall pay applicable charges against the demand note/ estimate raised by the concerned authorities. PIA shall submit the copies of the proof of payment along with the invoices for reimbursement. II. No extra charges will be paid to the bidders for pursuance of easements, permits, RoW etc. from the different local authorities.	Kindly modify this clause and confirm that all easements, permits and license necessary to do work including following for which the payment to the concerned authorities shall be provided by GFGNL against the demand note/estimate raised by the concerned department. "Bidder shall support GFGNL for follow up and coordination with the concerned authorities for expediting such permits/licenses, However Payment will be done by GFGNL only"	For the understanding, bidder is advised to refer, RoW bidder is advised to refer the clause-5.22 for better clarity.
3 7 8	Section 4 Page No. 70	4.37 Easements, Permits, Licenses and other Facilities	VI. At locations where the optical fiber cable trench is routed across or along railways or roads the bidder shall without extra cost provide and maintain such detours and road controls as are required by the railways or government or local agencies having jurisdiction.	We understand the bidder will be paid as per the the actual RKm implemented based on the quoted Unit rates. Kindly confirm.	The execution payment shall be made based on actual executed quantities (RKm), duly measured, verified, and accepted by IE and GFGNL, as per the approved unit rates and terms and conditions of the RFP document. However, the bidder is advised

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					that all associated activities, including provision and maintenance of detours and road control measures required during planning& execution, shall be deemed included in the quoted unit rates and no separate payment shall be permissible for the same. Bidders are advised to refer the updated clause mentioned in the RFP for better clarity.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 7 9	Section 7 Page 272 of 589	7.3 CONSTRUCTIO N PHASE	(i) All the Gram Panchayats (GPs) should be connected as per the scope of work defined and Project Completion Schedule. The Penalties applicable for not meeting the Milestones are as below: (ii) Should the PIA fail to achieve the defined Project Milestone within the period prescribed clause in above section, GFGNL, without prejudice to other remedies available to it shall be entitled to recover, as agreed, liquidated damages (LD) as follows: a) at a sum equivalent to 0.5% of the value of incomplete GPs as per milestone for each week of delay or part thereof for a period up to 10 (TEN) weeks, and thereafter b) at the rate of 0.7% of the value of the incomplete GPs as per milestone for each week of delay or part thereof for another 10 (TEN) weeks of delay. (LD is capped at 12% of package cost). c) The Value of incomplete GP for the purpose of calculation of LD shall be taken as equal to the Total Project Cost (PO Value excluding O&M charges) divided by the number of GPs as per SOR.	It is requested to kindly amend the clause as follow: (ii) Should the PIA fail to achieve the defined Project Milestone within the period prescribed clause in above section, GFGNL, without prejudice to other remedies available to it shall be entitled to recover, as agreed, liquidated damages (LD) as follows: a) at a sum equivalent to 0.5% 0.2% of the value of incomplete GPs as per milestone for each week of delay or part thereof for a period up to 10 (TEN) weeks, and thereafter b) at the rate of 0.7% 0.3% of the value of the incomplete GPs as per milestone for each week of delay or part thereof for another 10 (TEN) weeks of delay. (LD is capped at 12% 10% of package cost).	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
380	Section 7 Page 286 of 589	7.10.2.7 MTTR PENALTY	d) Maximum penalty ceiling for any particular site / location shall be equal to 20% of the total quarterly OPEX charges to be paid for respective site.	We request you to please amend the overall SLA capping as: d) Maximum penalty ceiling for any particular site / location shall be equal to 20% 10% of the total quarterly OPEX charges to be paid for respective site.	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision
381	Section 7 Page 272 of 589	7.3 CONSTRUCTION PHASE	Sr no ii) d) L.D. on subcontracted works: If the achievement of a milestone is delayed due to any subcontracted work, the applicable penalties/ LD shall be twice the penalties mentioned in Section 7.3. (LD is capped at 24% of package cost).	We request deletion of the clause pertaining to LD on subcontracted works. As all activities fall under the responsibility of the PIA, and milestone-based LD is already applicable at the overall project level, this results in duplication of penalties. Further, this provision is not in line with earlier Pan India / State-level BharatNet tenders, where LD on subcontracted portions is not applied separately.	No change. The provision shall remain as per the RFP. And already aligned with central/Pan India BharatNet tendering models.
382	Section 7 Page 272 of 589	7.3 CONSTRUCTION PHASE	Note: d. If the achievement of a milestone is delayed due to any sub-contracted work, the applicable penalties/ LD shall be twice the penalties mentioned in above table for respected milestone.(LD/ Penalty is capped at 25% of total GP CAPEX of respective package value.)	Please confirm the applicability of Liquidated Damages (LD) on subcontracted works. We observe that the LD capping specified under subcontracting/related clauses (capped at 25%) appears to be in contradiction with the LD cap mentioned for subcontracted works earlier (Sr. No. ii, Point d), which is capped at 24%. Kindly clarify which one to consider	The discrepancy was due to a typographical error. The clause referenced under Notes (d) was found to be duplicative of Clause 7.3(ii-d). Accordingly, the clause under Notes

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					(d) stands removed. However, Clause 7.3(ii-d) shall remain unchanged and will continue to be applicable in its current form/as it is.
3 8 3	Section 7.10.2.1 9 Page 294 of 589	7.10.2.19 PROCESS TO MEASURE THE SLA AND PENALTY	Notes: a). The quarterly operational penalty shall be capped at 20% of the actual valid invoice value for the respective quarter for the clauses mentioned above. However, in the event that this cap of 20% is reached for two consecutive quarters during the contract period, the Tenderer shall have the right to either, initiate contract termination proceedings on account of sustained non performance; or at its discretion, extend the penalty cap to 40% of the quarterly invoice value for the subsequent two quarters. Further, If performance does not improve during this extended period, the Tenderer may proceed with termination of the contract.	Kindly amend the SLA capping as: The quarterly operational penalty shall be capped at 20% 10% of the actual valid invoice value for the respective quarter for the clauses mentioned above. However, in the event that this cap of 20% 10% is reached for two three consecutive quarters during the contract period, the Tenderer shall have the right to either, initiate contract termination proceedings on account of sustained non performance; or at its discretion, extend the penalty cap to 40% 15% of the quarterly invoice value for the subsequent two three quarters. Further, If performance does not improve during this extended period, the Tenderer may proceed with termination of the contract.	The Clause stands deleted

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 8 4	Section 8 Page 324 of 589	8.4 Rights to Vary Quantities	ii). Additional quantities up to 50% of works contained in the running tender/ contract can be ordered during the contract execution stage or within a period of twelve months (earliest one)from date of commissioning of 90% of GPs (and 100% blocks) at the same rate or a rate negotiated (downwardly) with the existing contractors considering the reasonability of rates based on prevailing market conditions and the impact of reduction in taxes and material/services to be obtained within time period scheduled afresh.	Considering the long duration of the project implementation kindly note that the OEMs will not hold the prices for 3 years due to various factors like commodity price escalation, exchange rate variation etc.. Hence request to amend the clause as follows: <i>"Additional quantities up to 50% of works contained in the running tender/ contract can be ordered within 1 years from the date of PO during the contract execution stage or within a period of twelve months (earliest one)from date of commissioning of 90% of GPs (and 100% blocks) at the same rate or a rate negotiated (downwardly) with the existing contractors considering the reasonability of rates based on prevailing market conditions and the impact of reduction in taxes and material/services to be obtained within time period scheduled a fresh."</i>	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 8 5	Section 8 Page 324 of 589	8.4 Rights to Vary Quantities	iii). In exceptional situation where the requirement is of an emergent nature and it is necessary to ensure continued works from the existing contractors, GFGNL reserves the right to place repeat order up to 100% of the quantities of material/ services contained in the running tender/ contract during the contract execution stage or within a period of twelve months from the date of completion of project at the same rate or a rate negotiated (downwardly) with the existing contractors considering the reasonability of rates based on prevailing market conditions and the impact of reduction in duties and taxes etc.	In case of emergency situation request to kindly consider the rate as per mutually agreed upon based on the prevailing rates and amend the clause as follows: <i>"In exceptional situation where the requirement is of an emergent nature and it is necessary to ensure continued works from the existing contractors, GFGNL reserves the right to place repeat order up to 100% of the quantities of material/ services contained in the running tender/ contract during the contract execution stage or within a period of twelve months from the date of completion of project at the same rate or a rate negotiated (downwardly) at mutually agreed upon rates with the existing contractors considering the reasonability of rates based on prevailing market conditions and the impact of reduction in duties and taxes etc"</i>	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 8 6	Section 4 Page 115 of 589	4.76 INCIDENTAL SERVICES	II. Constitution of OEC: a. The OEC shall comprise of atleast 3 members, appointed by DIGITAL BHARAT NIDHI(DBN)/ GFGNL.	We suggest to add the following provision for appointment of arbitrator as follows: "Failing the appointment of OEC in accordance to the above, OEC shall comprise of three arbitrators, each party shall appoint one arbitrator, and the two appointed arbitrators shall appoint the third arbitrator who shall act as the presiding arbitrator under the terms of Section 11 of Arbitration and Conciliation Act, 1996".	The constitution and functioning of the Outside Expert Committee (OEC) shall be as per the provisions defined in the RFP. The arbitration mechanism, if applicable, shall be governed separately as per the RFP conditions and applicable laws.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 8 7	Section 4 Page 95 of 589	4.62 Fall Clause	b. GFGNL, for the extended period, if any, will determine and intimate the new price, taking into account various related aspects such as quantity, geographical location etc., and the date of its effect for the balance works to the vendor. In case the vendor does not accept the new price to be made applicable during the extended period and the date of its effect, GFGNL on behalf of USOF, DoT shall have the right to terminate the contract without accepting any further works. This termination of the contract shall be at the risk and responsibility of the Contractor and GFGNL reserves the right to give work order for the balance works at the risk and cost of the defaulting vendor besides considering the forfeiture of its performance security.	We would like to bring to your kind attention that due to increase in prices of semiconductors, it is very difficult to keep the same prices for long duration. Therefore we request you to kindly amend the clause as follow: GFGNL, for the extended period, if any, will determine and intimate the new price, taking into account various related aspects such as quantity, geographical location etc., and the date of its effect for the balance works to the vendor. The prices will be decided based on mutual discussion and agreement between GFGNL & PIA.	No change. The provision shall remain as per the RFP.
3 8 8	Section 4.32 Page 74 of 589	4.32 Third Party Damage	a) If the PIA damages other Private Service provider's cables /sewage line/ Government or public properties, such as electricity cable or roads etc., the damage charges/penalty will be paid by the PIA only as per the claim of such third party. GFGNL/DIGITAL BHARAT NIDHI(DBN), DoT will not be liable to pay any penalty or any damage charges made by the PIA as per the indemnity clause below:	It is requested to kindly confirm whether equipments theft, Intentional fiber cut, fiber Damage by any third party will be taken care by GFGNL and suitable time and cost compensation due to the above will be provided by GFGNL.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
389	Section 4 Page 81 of 589	4.41 TERMINATION FOR DEFAULT	XII. GFGNL reserves the right to discontinue the contract any time in future depending upon directions from DIGITAL BHARAT NIDHI(DBN), DoT.	It is requested to clarify that bidder will not be liable for theft & Vandalism.	No change. The provision shall remain as per the RFP.
390	Section 4 Page 81 of 589	4.41 TERMINATION FOR DEFAULT	XI. Termination for Convenience: GFGNL on behalf of DIGITAL BHARAT NIDHI(DBN), DoT, may, by prior written notice sent to the contractor at least 03 months in advance, terminate the Contract, in whole or in part at any time for its convenience. The notice of termination shall specify that termination is for DIGITAL BHARAT NIDHI(DBN), DoT's/ GFGNL's convenience, the extent to which performance of work under the Contract is terminated, and the date upon which such termination becomes effective	We understand, in case of termination as per direction from DIGITAL BHARAT NIDHI(DBN),DoT kindly confirm that the PIA shall be paid 100% amount of the items supplied and for services delivered as on date of termination including Work in progress at site. Further as per price schedule there is no separate supply and services defined. Hence request to define the guidelines for working out the split between supply and service scope.	No change. The provision shall remain as per the RFP.
391	Section 7 Page 274 of 589	7.6 Penalty for Cutting / Damaging the Old Cable	a) During excavation of trench, utmost care is to be taken by the bidder, so that the existing underground cables of GFGNL are not damaged or cut. In-case any damage/ cut is done to the existing cables of GFGNL, a penalty as per the schedule given below will be charged from the bidder or the amount will be deducted from his running bills.	It is requested to kindly provide the OFC route map or L14 Diagram for OFC Route so that proper estimation for route can be done	We have already provided all GP list with LGD code and asset details in seprate spreadsheets/Anne xures. In case, anything more than netwrok related information is required, Please send your authorized person with NDA signed.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 9 2	Section 5 Page 125 of 589	5.1 Scope of Work	c) Upgradation: To upgrade the existing network infrastructure from linear to IP-MPLS based ring topology across GPs and Block locations.	It is requested to kindly clarify that Bidder shall not be responsible for the issues in the existing Linear network across GP. Also, the delay caused due to any issues with the existing Linear network will not lead to levy of penalty to the bidder. The Bidder scope is limited to upgrade from Linear to IP-MPLS based ring topology for existing network. Kindly confirm.	Please refer Clause 5.6 FIBERIZATION AND DESIGN PRINCIPLES. PIA has to do fiber work for “Repair-Reconstruct-Rectify-Replace” of existing fiber of Phase-I and Phase-II, as a part of regular O&M activities.
3 9 3	Section 7 Page 292 of 589	7.10.2.16 PENALTY ON SPARE NON- AVAILABILITY	iii). In case any equipment is not repairable due to non-availability of the spares, PIA shall replace the supplied products with equal or upgraded/ higher version during life time of contract (10 years) at free of cost.	We recommend to clearly include Schedule for providing Mandatory Contract Spares for the O&M period which shall be delivered at the time of supply of the equipments. Any spare requirement over and above the defined mandatory spare list shall be procured separately by the purchaser from the OEM directly. In case of any extension of the project beyond 10 years PIA shall not be responsible for spares or replacement of products.	The provision mandating replacement in case of non-repairable equipment due to non-availability of spares shall remain applicable as per the RFP. Further, the PIA shall ensure adequate availability of spares during the entire O&M period (10 years) to meet maintenance obligations. Any requirement for spares beyond the PIA's

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					maintenance obligations under the contract may be addressed as per query answered in <i>Sr. Number#186</i>, if required. Additionally, the liability of the PIA for replacement and spares shall be limited to the contract duration of 10 years or the subsequent extension given to the bidder by the GFGNL.
3 9 4	Section 4 Page 111 of 589	4.73 SUB- CONTRACTS FOR SERVICES	VI. The no. of Subcontractors shall be limited to maximum 15.	Considering the large geographical span and complexity of the Project, we request not to restrict nos of sub-contractors to be deployed by the PIA. However, PIA shall duly inform GFGNL about the details of sub-contractors to be deployed at site.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 9 5	Section 4 Page 112 of 589	4.73 SUB- CONTRACTS FOR SERVICES	The eligibility conditions for the Subcontractors shall be at least 50% of the proportionate technical eligibility mentioned in Eligibility Experience Criteria (Sr. No.- 4- OFC Project/ OFC O&M / active elements works of project/O&M) in appendix-A for the proposed subcontracted works other than material supplies. And for shelter infrastructure minimum 100+ shelter with ITC(Installation,testing, commissioning),or maintenance of Shelters /porta cabin to telecom/IP infrastructure provider/Tower Shelter, electrical work, Civil work related with Telecom/IT Site etc	Considering the large and complex scope to be delivered in a time bound manner, we request GFGNL to confirm that the eligibility conditions for the sub-contractor shall be at least 10% of the proportionate mentioned in eligibility criteria for the proposed subcontracted works other than material supplies.	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision
3 9 6	Section 4 Page 81 of 589	4.41 TERMINATION FOR DEFAULT	XII. GFGNL reserves the right to discontinue the contract any time in future depending upon directions from DIGITAL BHARAT NIDHI(DBN), DoT	We understand, In case of termination as per direction from DIGITAL BHARAT NIDHI(DBN), DoT kindly confirm that the PIA shall be paid 100% amount of the items supplied and for services delivered as on date of termination including Work in progress at site. Further as per price schedule there is no separate supply and services defined. Hence request to define the guidelines for working out the split between supply and service scope.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
3 9 7	Section 4 Page 81 of 589	4.41 TERMINATION FOR DEFAULT	XII. GFGNL reserves the right to discontinue the contract any time in future depending upon directions from DIGITAL BHARAT NIDHI(DBN), DoT	Further as per price schedule there is no separate supply and services defined. Hence request to define the guidelines for working out the split between supply and service scope. Alternatively, we request you to amend the price schedule and allow bidder to quote prices for Supply & Services separately so that prices for each type of activity can be discovered through this bid process.	No change. The provision shall remain as per the RFP.
3 9 8	Section 4 Page 81 of 589	4.41 TERMINATION FOR DEFAULT	XII. GFGNL reserves the right to discontinue the contract any time in future depending upon directions from DIGITAL BHARAT NIDHI(DBN), DoT	PIA shall be given atleast 6 months notice and should be covered for all cost incurred in such scenario. Kindly confirm	No change. The provision shall remain as per the RFP.
3 9 9	Section Page 74 of 589	4.32 THIRD PARTY DAMAGE	I. If the PIA damages other Private Service provider's cables /sewage line/ Government or public properties, such as electricity cable or roads etc., the damage charges/penalty will be paid by the PIA only as per the claim of such third party. GFGNL/DIGITAL BHARAT NIDHI(DBN), DoT will not be liable to pay any penalty, or any damage charges made by the PIA as per the indemnity clause below:	It is requested to kindly confirm whether equipments theft, Intentional fiber cut, fiber Damage by any third party will be taken care by GFGNL and suitable time and cost compensation due to the above will be provided by GFGNL.	Pl see preceding Response in Query Sr. Nu. 546

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 0 0	Section Page 74 of 589	4.33 UTILITIES	a. Existing utilities and roads: Notwithstanding anything to the contrary contained herein, the PIA shall ensure that the Government Instrumentalities owning the existing roads, right of way or utilities, on, under or above the Site (Route) of the New Network and/or the Existing Network are enabled by it to keep such utilities in continuous satisfactory use, if necessary, by providing suitable temporary or permanent diversions with the authority of the controlling body of that road, right of way or utility, and shall initiate and undertake at its own cost, legal proceedings for acquisition of any right of way necessary for such diversion.	Kindly modify the clause incorporating the following. 1.PIA shall not be held responsible for delay in obtaining Row permission. 2.All Statutory fees including Demand Draft in form of DD or BG to be directly submitted in name of the Tendering Authority. 3.Bidder's responsibility shall be limited to do the follow up and coordination for the purpose of documentation only. Authority will also facilitate RoW clearance with various agencies with cost compensation for RoW upon producing relevant documents.	For the better clarity. bidder is advised to refer, RoW bidder is advised to refer the clause-5.22 for better clarity.
4 0 1	Section Page 74 of 589	4.33 UTILITIES	a. Existing utilities and roads: Notwithstanding anything to the contrary contained herein, the PIA shall ensure that the Government Instrumentalities owning the existing roads, right of way or utilities, on, under or above the Site (Route) of the New Network and/or the Existing Network are enabled by it to keep such utilities in continuous satisfactory use, if necessary, by providing suitable temporary or permanent diversions with the authority of the controlling body of that road, right of way or utility, and shall initiate and undertake at its own cost, legal proceedings for acquisition of any right of way necessary for such diversion.	We understand that power supply (including provision of electrical connection and associated charges) will be in the scope of GFGNL. Kindly confirm our understanding.	Kindly Refer the clause, 5.2-ii-b-ix. for detail, However, same is reproduce here for reference, <i>"State/SIA will support space and raw power supply requirements for the equipment to be installed at GP as well as telecom grade existing shelters in Bharatnet Phase-II and in phase-I BSNL exchanges for ABP.</i>

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					<i>However, It is the responsibility of GFGNL/local authorities to provide space and power source including their recurring bills. The extension of power cable from nearby raw power supply, applicable power cabling and electrical and other safety of equipment will be in the scope of PIA."</i>
4 0 2	Section 5.2 Page 131 of 589	5.2 DETAILED SCOPE OF WORK	xii).The PIA shall replace the existing GPON equipment with IP-MPLS routers (Access/Aggregator)	It is requested to kindly clarify: 1.PIA has to dismantle the existing GPON equipments & handover it to GFGNL which require the dismantling services along with the transportation cost. It is requested to kindly clarify the guideline for handing over these GPON equipments to the GFGNL warehouses. 2. Please confirm that in case GFGNL is not taking handover within 1 week the PIA shall have the right to dispose off the equipment. Kindly confirm.	Bidder shall keep the existing equipment with them for atleast 6 months. Transportation and warehouse charges are to be born by bidder.Storage and material security is PIA's responsibility. The location of handover of these equipment shall be announced later.However, for

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					better clarity please refer the detail clause in master RFP clause (5.2-XII(i))
4 0 3	Section 5 136	5.5.1	Ring architecture using IP-MPLS	Clarify redundancy requirement. Whether dual-homing is mandatory at GP and Sub-block levels.	Please refer Clause 5.6.2 12) & Clause 5.8 e) vii.
4 0 4	Section 5 137	5.6	fiberization Principles	Clarify minimum fibre core allocation per GP for scalability	Please refer Clause 5.6.1 for Phase I and & 5.6.2 for Phase II
4 0 5	Section 5 167	5.14	IP-MPLS routers (Block/GP)	Confirm whether Segment Routing (SR-MPLS) is mandatory or optional	Segment Routing (SR-MPLS) is mandatory. Please refer Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS (I). Network (3). Traffic

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					Engineering Capabilities
4 0 6	Section 5 169	5.15	S-NOC implementation	Confirm whether existing NMS/EMS of Phase I & II must be reused/integrated	Successful Bidder shall take the handover of the existing system as is where is basis as per NOC delivery timeline, it is bidder's responsibility to migrate the existing system to new single platform for better monitoring performance parameter of existing and new network devices.
4 0 7	Section 5 213- 215	5.23	Spare Inventory Requirement	Kindly confirm mandatory spare holding requirement and locations.	No change. The Bidder has to consider average approximately 2% (indicative and may vary on field, geographical and environmental situation)failure rate of active

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					elements of Phase-I and II infrastructure. Accordingly, Bidder has to arrange the spare equipments including those EoSS. Further, bidder also needs to plan the network migration in advance to recover the old materials and may use the free electronics in network, this to avoid any outage due to lapses of spare or failure of equipments. However, Bidder will be solely responsible for SLA achievement by its own study/analyzing network for managing spare network elements for active and passive.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 0 8		XI	Dual Rectifier with double conversion including inbuilt stabilizer with range 110V – 280V and mechanism to provide protected environment to switchover	The specification mentions "Dual Rectifier with double conversion". Kindly clarify whether the requirement is for a dual rectifier with a single inverter architecture or a dual rectifier with dual inverter architecture (fully redundant system) . The requirement may please be defined clearly to avoid ambiguity and enable offering of suitable solutions. We wish to submit that a true online double conversion UPS inherently provides Automatic Voltage Regulation (AVR) and complete isolation of the load from input voltage fluctuations. Therefore, no additional voltage stabilizer is required. Provision of a separate voltage regulator/stabilizer will unnecessarily increase the system cost	Dual rectifier with a single inverter architecture to consider
4 0 9	Detailed Technical Specifications of following Network components are mentioned in Annexure-B		UPS for Villages	Please confirm the specification and the load connected with UPS in village level	Stands deleted (Section-10 >> 2 >> XI. UPS for Villages

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 1 0	XI. Minimu m Technic al specifica tions for Uninterr upted Power Supply (UPS) System at GP	Point No. 28	UPS for GP - Recharge time -6-8 hours	We wish to submit that the specified recharge time of 6–8 hours for Li-ion batteries is achievable under ideal operating conditions. However, at GP (Gram Panchayat) locations, the utility power supply is often unstable and subject to frequent interruptions and voltage fluctuations, which may adversely affect the charging process. Since the system is required to provide 6 hours of backup at full load, a longer recharge duration is essential to ensure complete battery charging and reliable operation under field conditions. Therefore, we request you to kindly revise the battery recharge time specification from 6–8 hours to 8–10 hours, which would be more practical and suitable for actual site conditions without affecting system performance and availability.	No change. The provision shall remain as per the RFP.
4 1 1	8.1 SCHEDU LE OF REQUIR EMENTS (SOR)		10.3 .Online UPS (2KVA) with 4 Hrs backup provisions at Block locations with accessories including installation, integration, testing and commissioning with provision of MPPT Card including solar panels	Please confirm the specification and the load connected with UPS in block level	RFP Clause - 8.1 SOR > Table S. no. 10.3 stands deleted. However, Quantity is mentioned "Zero" in this tender.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 1 2	Pg No. 397 , Point No.20 ,	UPS	TEC GR Standard No.: TEC 66140:2019 with latest amendments, if any without any Hybrid functionality and including BMS features	As per your SOR point No. 10,Power System with backup provisions at GP locations with accessories including installation, integration, testing and commissioning with provision of slot for MPPT Card BUT excluding MPPT Card & solar panels. This is as per TEC GR 66160:2024. So it should be amended.	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.
4 1 3		Clause: X. Remote Fibre Management System (RFMS)	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS Clause: X. Remote Fibre Management System (RFMS) Parameters - Wavelength Supported Specifications - 1650 nm, 1550 nm, 1310 nm	Query 1: As per TEC GR, Wavelength supported shall be 1625nm or 1650nm Certifications CE, CSA-UL, RoHS Query 2: As per certifications, CSA-UL is not applicable hence it shall be removed.	Query-1: please refer the updated clause in corrigendum/Master RFP. Query-2: CSA-UL certification is optional
4 1 4	.-	3	APO: "Appointed Date" means the date of signing of Agreement by the successful bidder after acceptance of APO and submission of Performance Security by the successful bidder.	The abbreviation is for Advance Purchase Order (APO), however, we understand that the definition mentioned is for "Appointed Date". Please review and update the same.	It was a typographical error. The same has been rectified. Please refer to the updated clause.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 1 5	.-	18	Go-Live: The date of commencement of work and acknowledged by end customer. If block level atleast 90% of GP live in ring then it will be considered as block 100% go-live.(* aggregate count of GP at Sub-Block will be considered at once for the cases of dual home network architecture,i.e., the other side of block GP ring will not be considered)	We understand that the Go-live should be the date on which the Acceptance Testing is completed and commissioning certificate is issued for the respective network element (i.e., OFC route, GP, block etc.,). RFP mentions that it is the date of commencement of work and acknowledged by the end customer. Please review and update the same.	For ABP bidder has to consider , the end customer is IE and GFGNL.However, The same has been rectified. Please refer to the updated clause.
4 1 6	.-	27	RFP: The Request for Proposal bearing reference no: GFGNL/GFG/e -file/263/2025/0006/Phase-III(ABP in Gujarat) and any other documents/formats provided along with this RFP or issued during the selection of successful bidder(s), corrigenda, seeking a set of solution(s), services(s), materials and/or any combination of them.	The tender reference nos. mentioned on the RFP is different than the one mentioned in the definition of the RFP. Please review and update the same.	Pls read as GFGNL/GFG/e -file/263/2026/0070 /Phase-III(ABP in Gujarat)
4 1 7	.-	31	Special sites: Special sites are those sites which are to be included for purpose of External Audit. Physical visits for Audit to these sites are necessary.	Please specify if there are any special sites which are a part of the this requirement. As mentioned in the RFP, the special sites are to be included for the purpose of External Audit. Please clarify on the external audit requirement, if these are part of the RFP.	The requirement of external audit is mostly about installed equipment and internet speed availability. List of the sites shall be dependent on Auditor. There is no specfic site.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 1 8	.-	iv)	Tenderer desires to select the Service Provider for RFP for Selection of Project Implementing Agency For BharatNet Phase-III Project in Gujarat under GFGNL (Design, Construction, Supply, Implementation, Testing & Commissioning and Operation & Management Model).	It mentioned that the Tenderer desired to select the Service Provider. Is the word Service Provider and PIA the same? Please confirm.	For the mentioned Clause, read "service provider" as PIA". The same clause is reproduce herewith, "Tenderer desires to select the Service Provider Project Implementing Agency (PIA) for RFP for Selection of Project Implementing Agency For BharatNet Phase-III Project in Gujarat under GFGNL (Design, Construction, Supply, Implementation, Testing & Commissioning and Operation & Management Model). In this respect, Tenderer is undertaking a comprehensive Tendering process to select the most-suitable Service

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					Provider PIA via competitive Bidding"
4 1 9	-	16	Technical Presentation: To be announced later	We understand that there will be no technical presentation stage during the evaluation. Please confirm.	There will be no technical presentation.
4 2 0	Fact sheet	13	Address at which bids are to be submitted Proposal shall be uploaded online in the format and mode as provided for in the Portal https://tender.nprocure.com/ for this RFP in the system and shall be digitally signed by the authorized signatory of the Bidder.	Please elaborate the term 'digitally signed' As per our understanding the bid should be signed and stamped by authorized signatory (either manually or digitally) and submitted to e-tender portal through valid DSC (Digital Signature Certificate). Please confirm.	Yes, As per clarification sought
4 2 1	2	2.1.2 (Note)	BHARATNET PHASE II – PROJECT BACKGROUND 20 GP (Gram Panchayat) connected from 1 OLT (Optical Line Terminal) with 2 GP per PON (Passive Optical Network) Port of OLT, However, in OLT approximately 25-27 GPs Connected .	The first para says that 20 GP (Gram Panchayat) connected from 1 OLT, and as per another statement it says 25-27 GPs connected through one OLT. Please review and make the necessary correction.	BHARATNET PHASE II – PROJECT BACKGROUND 20 GP (Gram Panchayat) connected from 1 OLT (Optical Line Terminal) with 2 GP per PON (Passive Optical Network) Port of OLT,

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					However, bases on geographic positioning and OFC planning in some OLTs approximately 25-27 GPs Connected .
4 2 2	3	3.1(2_c)	c) Self Certification to be signed by Company Secretary/ Statutory Auditor on company's letter head mentioning the required shareholding."	There is no any specific requirement asked in the tender for shareholding. However, if required - we understand that the latest shareholding pattern of the bidder can be submitted. Please confirm if our understanding is correct.	No change. The provision shall remain as per the RFP.
4 2 3	3	3.1(3)a	Experience: The Sole or lead bidder (in case of consortium) or any one consortium member should have demonstrable experience with following in last 10 Years, as on this bid submission date: i) For Optical Fibre:	The word 'For Optical Fiber' here may read as 'For Optical Fiber Cable' or 'OFC Project' Please confirm.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 2 4	3	4	Router OEM Experience: The offered Make-Model for Block Router and GP Routers can be from same OEM or different OEM. However, the same or its earlier version should have been supplied for minimum 30% of required quantities for each relevant line item under the financial bid Line Items 4(a), 4(b), and 4(c)." In case of Class-I & Class-II local suppliers (as per prevalent DPIIT, GoI guidelines mentioned in tender), the offered Make-Model for each Block Router and each GP Routers or its earlier version should have been supplied for minimum 10% of required quantities.	Can the bidder propose GP and block routers from the foreign OEMs? Please confirm	Bidders are advised to refer the clause, "4.77-PUBLIC PROCUREMENTS-MAKE IN INDIA (MII)" for better clarity

4	3	6	MAF: 6.1 The Sole Bidder or lead Bidder (in case of consortium) should submit valid letter from each of the OEM (maximum two(2) OEM for active component and four(4) for passive 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 (compatible with existing network elements) that is acceptable to Tenderer without any additional cost to the Tenderer and without impacting the performance of the solution in any manner whatsoever. In case replacement with a product from an OEM other than the OEMs proposed by the bidder prior approval from GFGNL will be required. Note: i) If product is changed due to specific functional/technical requirement asked in this tender, then fresh TSEC/TEC certificate is required to be obtained and submitted at the time of delivery. ii) If the OEM has TSEC/TEC approval for the exactly same product which has been asked in this tender, then no fresh TSEC/TEC approval is required. But if product is changed due to specific functional requirement asked in this tender, then TSEC/TEC approval is required iii) TSEC/TAC are applicable for Hardware (Active and Passive only. iv) Maximum two MAF are allowed for active component. clearly mentioning the Primary MAF and Secondary MAF. The bidder shall not be permitted to interchange or upgrade the	The "Minimum Requirement" column mentions maximum two (2) OEMs for active component and four (4) for Passive component. However, the "Documentary Proof" column mentions maximum two (2) for all passive and active components (Like, (all types of OF cables, Duct, Joint Closures (SJC & BJC), FDMS & FTB) (Routers, RFMS, UPS & Racks). Please clarify on the maximum number of OEMs to be proposed for each component or active & passive component.	It was a typographical error. The same has been rectified. Please refer to the updated clause.
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			Secondary MAF to Primary MAF status at any stage unless expressly approved by the competent authority. v) A maximum of four (4) MAFs shall be allowed for passive equipments. These must be clearly listed in order of priority (Priority 1 to Priority 4) at the time of submission. The bidder shall not be allowed to alter, interchange, or revise the priority order of the approved passive OEMs after submission. Documentary Proof: The Bidder or the lead member (in case of Consortium) should submit valid Manufacturer Authorization Form (MAF) from maximum two(2) for all passive and active components (Like, (all types of OF Cables, Duct, Joint Closures (SJC & BJC), FDMS & FTB) (Routers, RFMS, UPS & Racks).		
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 2 6	3	Appendix A (C.)	Experience Of OFC- O&M (Kms) In Last 10 Years: The bidder should have satisfactorily completed in the last 10 years within India, the O&M of any OFC network of 24 or more Core Under Ground OFC OFC for the number of 'Year Kms' (for the network for which O&M has been done for at least one year) at least equal to 85,000 Kms (a minimum 40% of the O&M requirement should be met through O&M of 24 or more core aerial fibre cables) (deployed in BharatNet by BBNL or state SPV)/ ADSS/ OPGW OFC as required for EPC Network Construction capability mentioned above. Year Kms: If O&M of "X" Kms of OFC has been done for "N" years ($N \geq 1$), then 'Year Kms' = "X multiplied by N".	The quantity asked for OFC O&M Experience (85,000 Kms) seems too high in comparison to experience asked for implementation of OFC Project (25,000 Kms) and OFC Cable to be supplied in the tender (approx. 40,000 Kms). Referring to all previous BharatNet Phase III tenders, the requirement/quantity of OFC O&M Experience should be equivalent to requirement/quantity of experience asked for implementation of OFC Projects. We request to amend this clause as follows: The bidder should have satisfactorily completed in the last 10 years within India, the O&M of any OFC network of 24 or more Core Under Ground OFC OFC for the number of 'Year Kms' (for the network for which O&M has been done for at least one year) at least equal to 85,000 Kms 25,000 Kms (a minimum 40% of the O&M requirement should can also be met through O&M of 24 or more core aerial fibre cables) (deployed in BharatNet by BBNL or state SPV)/ ADSS/ OPGW OFC as required for EPC Network Construction capability mentioned above. Year Kms: If O&M of "X" Kms of OFC has	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				been done for "N" years ($N \geq 1$), then 'Year Kms' = " X multiplied by N".	

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 2 7	3	Note 1	The Sole bidder or any of the consortium members including lead member should meet the Technical Capability requirements either on their own or jointly for the works awarded directly by the TSPs, Category-A ISPs, IP-1, Central Government, State Government, Municipal Corporations for Smart City Projects, BharatNet SPVs, PSUs for their own network and not sub-contracted works. However, It is clarified that the work experience issued by TSPs to the executing agencies for the DIGITAL BHARAT NIDHI(DBN)/DoT awarded projects shall also be accepted.	We understand that the bidder should showcase such experience for the works awarded directly by the TSPs, Category-A ISPs, IP-1, Central Government, State Government, Municipal Corporations for Smart City Projects, BharatNet SPVs, PSUs for their own network and not sub-contracted works. The bidder shall not be allowed to showcase such experience of similar works done for its internal network. Please confirm	For claiming captive network experience, Internal evidentiary documents like NMS , GIS platform , mentioning OFC type and gauge(48/24F/etc.) ,type of installation (UG or Aerial), length of OFC, and for active elements and passive elements, integration dates as are essentially to be provided with endorsement of authorized signatory and CE certified.
4 2 8	3	3.1	Note:4 For installation and commissioning of active nodes, the experience certificate issued by the OEMs for the works awarded by the TSPs to the OEMs shall also be considered.	We understand that in case of the experience certificate issued by the OEMs for the works awarded by the TSPs to the OEMs, documentary proof such as WO/Certificate issued by TSP to OEM also need to be submitted by the Bidder. Please confirm.	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 2 9	4	4.68(d)	The format of the certificate to be given is "I.....s/o.....r/o hereby certify that none of my relative(s) as defined in the tender document is/ are employed in GFGNL unit as per details given in tender document. In case at any stage, it is found that the information given by me is false/ incorrect, GFGNL shall have the absolute right to take any action as deemed fit/without any prior intimation to me."	Please note that in case of Public Limited company, arranging such tender specific certificate from all the directors of the company individually is quite difficult. Hence, we recommend that an undertaking from Bidder's authorized singatory declaring that 'None of relatives of any of its Directors are employed in GFGNL unit' will suffice the purpose. Please allow.	No change. The provision shall remain as per the RFP.
4 3 0	4	4.68(d)	The format of the certificate to be given is "I.....s/o.....r/o hereby certify that none of my relative(s) as defined in the tender document is/ are employed in GFGNL unit as per details given in tender document. In case at any stage, it is found that the information given by me is false/ incorrect, GFGNL shall have the absolute right to take any action as deemed fit/without any prior intimation to me."	We understand that Bidder is allowed to submit 'Near relative certificates' issued in year 2025 for previous BharatNet Phase III Tender of GFGNL. In case of appointment of any new director(s), a fresh certificate for new director(s) is required to be submitted. Please confirm if our understanding is correct.	No change. The provision shall remain as per the RFP.
4 3 1	4	4.73(viii)3	Pilot/Field POC (Proof of Concept)	We understand the heading 'Pilot/Field POC (Proof of Concept)' mentioned here is a typing mistake and shoule be deleted. Please delete.	It is applicable for the clause of 4.78, "CONDITIONS FOR FIELD TRIAL OF THE CLASS I/ CLASS II LOCAL SUPPLIERS FOR ROUTERS;"

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 3 2	4	4.46	The PIA should have at-least one office in each Business Area of GFGNL and one nodal person in each district with above facilities. It may have more than one office in a district as per the operational need.	Having office at each business area and a nodal officer in each district will create additional cost burden without having much utilization of the ask. Request you to kindly remove the clause as PIA will manage the requirement from its pool of resources as asked in the RFP.	No change. The provision shall remain as per the RFP.
4 3 3	4	4.63(ii)	The bidder shall within 14 days of issue of the advance purchase/work order, shall give its acceptance along with performance security (PBG or insurance security bond) in conformity with proforma enclosed in the relevant section provided with the bid document.	As per Clause 4.38 (iv) - The PIA, within 15 calendar days from the date of receipt of Notification of Award, shall furnish a Bank Guarantee.... Request you to please provide clarity and remove the ambiguity as all these clauses defines different-different timelines.	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 3 4	7	Note k	For any Gross negligence during the contract period, a sum of Rs. 10,00,000/- will be levied for each event of gross negligence and/or for each delayed week or part thereof till resolution. Event can be anything causing substantial impact on services for which the Bidder is responsible.	Request you to please define the "Gross Negligence" as its open ended and ambiguous clause.	The clause stands deleted from this location. However, provisions relating to gross negligence, as mentioned elsewhere in the RFP document, shall remain unchanged and continue to apply.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 3 5	7/Pg. 294	Note a)	The quarterly operational penalty shall be capped at 20% of the actual valid invoice value for the respective quarter for the clauses mentioned above. However, in the event that this cap of 20% is reached for two consecutive quarters during the contract period, the Tenderer shall have the right to either, initiate contract termination proceedings on account of sustained non-performance; or at its discretion, extend the penalty cap to 40% of the quarterly invoice value for the subsequent two quarters. Further, If performance does not improve during this extended period, the Tenderer may proceed with termination of the contract.	20% Penalty cap is very high. Normally it is capped at 10% of quarterly payment. Request you to revise the same and capped at 10% of quarterly invoice value.	Pl see preceding Response in Query Sr. Nu. 380
4 3 6	4/Pg. 94	4.6	i) The quoted offer should be <u>exclusive of Taxes</u> . Taxes shall be paid extra on actual, as applicable. The taxes prevailing at the time of raising the invoice shall be paid.	These clauses are contradictory to each other. Request you to please provide clarity on taxation part and remove the ambiguity.	No change. The provision shall remain as per the RFP.
4 3 7	4/Pg. 56	4.3(ii)	The bidder shall give the total composite price <u>inclusive of all Taxes</u> and the basic unit price and all other components of the price need to be individually indicated against the material/services it proposes to supply under the contract as per the price schedule given. The offer shall be firm in Indian Rupees. No Foreign exchange will be made available by GFGNL.		The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision
4 3 8	4/ Pg. 61	4.13/Note III	Offered price should be <u>inclusive of all applicable taxes</u> (anywhere in Gujarat state) However, Component included should mentioned count, unit type, price, Taxes should be mentioned separately.		The relevant clause has been revised. Bidders are requested to kindly refer to the

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					Corrigendum/Master RFP for the updated provision
4 3 9	4/ Pg. 65	4.19(f)	Evaluation and comparison of substantially responsive bids: The evaluation and comparison of responsive bids shall be done on total cost (i.e. <u>inclusive of GST</u>) basis on the prices of the Material/ services offered as indicated in the Financial Bid after arithmetic correction in the manner laid down herein above.		The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision
4 4 0	5/ Pg. 189	5.18 (c.)	Wherever, such electricity poles are not available/used, the PIA is required to erect wooden/ G.I. poles at the required intervals so that the OFC withstands normal climatic disturbances. vi.)Wherever the existing electricity poles are not available; the PIA shall erect a 7 Meter RCC pole. Payment of the quoted/ finalized price, of the Price schedule of related line items, shall be made for such RCC Poles, including supply, installation and O&M for the entire contract period, on uploading of the video as per specifications. The PIA shall have to replace such poles damaged for any reason whatsoever during the contract period without any additional cost to GFGNL.	Request you to please clarify what exactly PIA has to provide as both of these clause contradicts to each other. Secondly, also suggest that how many times bidder needs to replace the pole at free of cost? It is suggested that this replacement should be done on payment basis as these are consumable items and they may got damaged due to any reason which are not attributable to PIA.	Wherever the existing electricity poles are not available; the PIA shall erect a 7 Meter RCC pole. Payment of the quoted/ finalized price, of the Price schedule of related line items, shall be made for such RCC Poles, including supply, installation and O&M for the entire contract period, on uploading of the video as per specifications.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					The PIA shall have to replace such poles damaged for any reason whatsoever during the entire contract period without any additional cost to GFGNL.
4 4 1	10/ Pg. 396	Annex. A/11	PLB HDPE Duct: TEC GR Standard No.: TEC 72030:2019 with latest Amendments if any	As per our understanding the latest TEC GR No. TEC 72030: 2025 with latest Amendments if any, should be applicable	As per clarification sought. TEC GR Standard No.: TEC 72030: 2025 with latest Amendments if any, applicable for PLB HDPE Duct
4 4 2	10/ Pg. 396	Annex. A/13	Installation Accessories and fixtures of Self-Supporting Metal free Optical Fibre Cable: TEC GR Standard No.: TEC 87060:2017, with latest amendments if any	As per our understanding the latest TEC GR No. TEC 87060: 2024, with latest amendments if any, should be applicable	As per clarification sought. TEC GR Standard No.: TEC 87060: 2024, with latest amendments if any, applicable for Installation Accessories and fixtures of Self-Supporting Metal

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					free Optical Fibre Cable
4 4 3	10/ Pg. 397	Annex. A/16	Tension/Suspension Pole Assembly Set: TEC GR Standard No.: TEC 87060:2017, with latest amendments if any	As per our understanding the latest TEC GR No. TEC 87060: 2024, with latest amendments if any, should be applicable	As per clarification sought. TEC GR Standard No.: TEC 87060: 2024, with latest amendments if any, applicable for Tension/Suspension Pole Assembly Set
4 4 4	4/Pg. 68	4.22(i)	The L1 bidder will be called to accept the award of contract. In case, the L1 bidder does not accept the award of contract or found to be involved in corrupt and/or fraudulent practices and manipulated design directly co-related with financial bid, etc. will be a good reason to disqualify L1 on account of collude way of misleading and taking advantage in competitive bid at this stage without further negotiation and justification. Then, the L2 bidder will be called to awarded the contract. Further, if the L2 bidder also declines, the tenderer may award the contract to the L3 bidder and so on till Ln.	In case L1 bidder does not accept the Order for any reason, will L2 bidder called to accept L1 Price or the Order can be placed at actual Price quoted by L2 bidder? Please clarify.	Bidder is advised to refer the RFP Clause 4.74(Risk Purchase) for better clarity

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 4 5	4/ Pg. 77	4.38 (ii)	All successful bidders[including MSEs(MICRO & SMALL ENTERPRISES)] who are registered with Appropriate Authority under m/o MSME) shall furnish performance security to GFGNL for an amount equal to 5% of the value of advance work order within 14days from the date of issue of Advance Purchase Order issued by GFGNL on behalf of USOF,DoT . However, if the quoted price is less than GFGNL's internal estimated cost by 15% or more, the bidder shall be required to deposit 10% of the APO value as PBG.	Estimated cost of the tender/Project has not been provide in the tender. Please provide.	No change. The provision shall remain as per the RFP.
4 4 6	4/ Pg. 119	4.77(e)	The bidder must source notified items mandatorily from Class-I local suppliers. The overall local content of bid shall be calculated as per Clause 2(e) of the DPIIT PPP-MII order, which states: "For contracts involving the supply of multiple items, the weighted average of all items shall be taken while calculating the local content.	Please elaborate the term 'notified items'	For Better Clarity, The term “notified items” refers to those goods or equipment which are specifically notified by the Government of India / DPIIT under the Public Procurement (Make in India) Order from time to time, for which mandatory procurement from Class-I local suppliers is prescribed.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 4 7	4/ Pg. 119	4.77(f)	The bidder shall submit Form-1(as per Annexure-format XXI) for overall local content of the total bid, along with declaration specifying the local content of individual SOR items, failing which the bid is liable to be rejected. The declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the bidder is a company and by a practicing cost accountant or a chartered accountant for bidders other than companies.	As MAF/Offer from multiple OEMs are allowed in the tender, it is quite difficult for any prospective bidder to specify the local content of individual SOR items. Purchaser can ask such declaration before award of contract or finalization of OEM against each SOR items. However, it is mandatory for bidder to submit Form-1 (as per Annexure-format XXI) for overall local content of the total bid. Please review and amend the clause accordingly.	No change. The provision shall remain as per the RFP.
4 4 8	4/ Pg. 119	4.77(f)	The bidder shall submit Form-1(as per Annexure-format XXI) for overall local content of the total bid, along with declaration specifying the local content of individual SOR items, failing which the bid is liable to be rejected. The declaration relating to percentage of local content shall be certified by the statutory auditor or cost auditor, if the bidder is a company and by a practicing cost accountant or a chartered accountant for bidders other than companies.	As the PPP-MII notifications has been amended vide Notification no. P-45021/2/2017-PP (B.E.-II)-Part IV (Vol-II) dated 19.07.2024 and DoT Gazette Notification dated 21.10.2024, we understand these amended guidelines will be applicable in this tender and the Self-Certification for Local Content to be submitted accordingly. Further as per the amended guidelines, Certificate from statutory auditor or cost auditor not required at the time of bidding. It can be submitted after award of contract as per above latest notification. Please review and amend the clause accordingly.	Submission of self-certification for Local Content at the time of bidding shall be mandatory, as per the prescribed formats in the RFP. The requirement of certificate from statutory auditor/cost auditor shall be applicable as per prevailing GoI guidelines at the relevant stage (award/execution). Bidders shall ensure full compliance with

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					the latest amendments/notifications, and furnish supporting certifications/documents as required during the project lifecycle. For this clause, In case of any variation between RFP provisions and latest GoI guidelines, the latest applicable guideline shall prevail.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 4 9	4/ Pg. 120	4.77(j)	It is mandatory for the bidder to submit a self-certification as per proforma in Annexure and an undertaking in Annexure format, along with the bid that the items (Excluding Services (I&C) and AMC value) offered in this tender meets the minimum local content and shall give details of the locations at which the local value addition is made. In addition, such bidder is also required to provide a <u>certificate from the statutory auditor or cost auditor of the company giving the percentage of local content in accordance to DPIIT letter dated 16.09.2020 & 04.03.2021</u>. Furnishing of false information on this account shall attract penal provisions as per the Guidelines/Notification. Bidders may note that whereas GFGNL may at its discretion choose to randomly verify any of the documents submitted towards fulfilment of claims of PMI under this clause, it is under no obligation to verify the self-declaration of bidder and/or certificate of Chartered Accountant/Cost Accountant regarding the bidder meeting the criteria to be eligible for class I / class II status in this tender. Acceptance of the documents furnished by the bidder as part of the bid by GFGNL in this regard shall not amount to endorsement of their content by GFGNL, and consequences of false declarations if any, discovered at any stage before or after award of work shall completely fall on the bidder.		Refer the response in Query Sr. No. 448

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 5 0	9/Pg. 370	9.24(22)	Certificate from the Statutory Auditor for networth and average annual turnover for the financial year preceding the Bid Date as per eligibility criteria	Referring to clause 3.1(2) / Pre-Qualification Criteria of the tender, we understand that networth and average annual turnover certificate can be issued either by Statutory Auditor or Chartered Accountant. Please confirm.	The Clause is self explanatory, For TurnOver criteria, CA/ Statutory Auditor certification , while for Networth, Statutory auditor certification is sufficient.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 5 1	10/Pg. 410	V	Technical Specifications for OFC Sr No-1, Fiber Count: Armoured cable of 24 F or more & for ADSS with G.652D will be accepted and shall support for both aerial and underground cable as per TEC. Under Ground : 48F/96F and more (Armored Optical Fibre Cable(Type: Ribbon) for underground application) 24F Armored Optical Fibre Cable Loose Tube Aerial : 24F ADSS unarmored cable Sr No-2, Standard: Under Ground: ITU-T-G.652D (TEC GR Standard No.: TEC 85260:2024 with latest amendment.) or with latest amendment if any TEC GR Standard No.: TEC 85170:2024 with latest amendments Although in this TEC/ GR only optical fibre of G.652 D is mentioned but vendor shall have liberty to use G.657A1 also as per ITUT recommendation for better offered product portfolio . Aerial: TEC 85200:2022 (Aerial Drop) (Loose tube with jelly compound & Water swellable tape / yarn) with latest amendment Aerial cable on Powerline: TEC 85190:2022 (Type-A-I semi dry Without Ice loading) with latest amendment	This clause specifies the details of fiber count, cable designs & respective TEC GR/ Standard as below: 24F Duct OFC: shall be non-ribbon loose tube type Armoured cable as per TEC 85170:2024 with latest amendments. 48F/96F Duct OFC: shall be Ribbon type Armoured cable as per TEC 85260:2024 with latest amendments. 24F Aerial OFC on Powerline: shall be ADSS cable as per TEC 85190:2022 with latest amendments. 6F Aerial OFC: shall be Aerial Drop Cable as per TEC 85200:2022 with latest amendment. Please confirm to proceed with aforesaid mentioned fiber count, cable design & TEC GR / standard.	Pls refer RFP section - 10 >> Annexure-B, V. Technical Specifications for OFC and RFP Section - 5 Scope of work including Fiberization and Design principles.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 5 2	10/Pg. 431	XII	Technical Specification for Armoured Ribbon Optical Fibre Cable for Underground Duct Application Clause 1.2 : The TEC GR/ Standard for the product (Armoured Ribbon Optical Fibre Cable for Underground Duct Application) is under preparation. Till finalization of the TEC GR/ Standard, Technical Specifications as mentioned in this section shall be applicable. After, finalization of the TEC GR/ Standard, any additional requirement shall be made applicable with mutual consent.	To the best of our understanding the TEC GR/ Standard for Armoured Ribbon Optical Fibre Cable for Underground Duct Application is already finalized and the TEC GR applicable is TEC 85260:2024 with latest amendments. It is already mentioned in the TEC GR List provided at page 396 of the tender document. Hence, TEC 85260:2024 with latest amendments shall be applicable for Armoured Ribbon Optical Fibre Cable for Underground Duct Application. Please confirm.	Pls read the modified clause as "The TEC GR/ Standard for the product (Armoured Ribbon Optical Fibre Cable for Underground Duct Application) is TEC 85260:2024 with latest amendments"
4 5 3	5/Pg. 130	ii	ix. State/SIA will support space and raw power supply requirements for the equipment to be installed at GP as well as telecom grade existing shelters in Bharatnet Phase-II and in phase-I BSNL exchanges for ABP. However, It is the responsibility of GFGNL/local authorities to provide space and power source including their recurring bills. The extension of power cable from nearby raw power supply, applicable power cabling and electrical and other safety of equipment will be in the scope of PIA.	We understand that PIA shall only be responsible for extension of power cable from nearby raw power supply at GP & telecom grade existing shelter. PIA shall not be responsible for recurring bills, if any. Please confirm.	Recurring bills of Electricity shall be in tenderer's scope.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 5 4	5/Pg. 131	ii	xi. Selected bidder has to Fulfil additional requirements, if any, in the larger interest of the Government Network under BharatNet, such as dark fiber delivery, additional OFC work, any other service provisioning for GFGNL/DST/DoT/DBN empaneled partners and other measures to enable optimal utilization of the network.	We understand that fulfilment of the additional requirements such as dark fiber delivery, additional OFC work, any other service provisioning for GFGNL / DST / DoT / DBN empanelled partners and other measures to enable optical utilization of the network, shall be an additional requirement which may come up on case to case basis. These requirements will be discussed and the scope of work will be agreed to be delivered on additional cost basis. Please confirm.	For adhoc basis connectivity payment will be given based on the rates mentioned in table rate card mentioned in VIP/Adhoc/ Major table.
4 5 5	5/ Pg. 131	ii	• Maintain the existing OFC network and (active and passive) electronics of SDC to Block.	We understand that any activity (O&M, fault rectification, SLA management etc.,) related to the existing DWDM network and the OFC specific to transport layer spanning from SDC to various block / sub-block locations shall not be in the scope of the PIA. If the DWDM / backhaul network is also expected to be in the scope of PIA, please share the complete scope of work along with relevant BoQ items / information for this.	Please refer Clause 5.23.3.2 (Change Management) & 5.23.9

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 5 6	5/ Pg. 131	ii	c. PIA shall integrate existing BharatNet infrastructure with NOC as required to be implemented under the project. PIA shall integrate entire BharatNet infrastructure existing (Phase I & II) and newly created network with the EMS and NMS to be deployed in State NOC/SDC. Further the NMS of State NOC shall be integrated with the NMS of centralized BharatNet NOC(Bangalore/Delhi/any other locations decided by DoT/DBN/GFGNL).	Please specify the number of locations to which the integration of NMS of state NOC is required. For e.g., Integration of NMS of state NOC with BharatNet NOC in Delhi - Total 1 location	The prime responsibility of PIA is to integrate S-NOC with Delih/Bengalore however in future as per the DBN requirement, PIA shall provide support to connect location specified by DBN.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 5 7	5/ Pg. 132	5.3.1	c. The handover/ takeover shall be completed within a maximum time period as per below table (Table X.1.1) from the agreement signed date, in “good condition” (optical power is in the range -8 dBm to -25 dBm). b. The handover of the BharatNet Phase-I and phase-II network shall be Block wise, for those blocks, where at least 50% GPs in Phase-I and 100% GPs in Phase-II are having optical power as specified above. c. The PIA shall be responsible for overall O&M of the OFC network including GPON equipment, logistics, replacement of faulty GPON, SPV equipment, spares management and also after the MPLS routers are commissioned in the Block and GP. Further, Selected PIA shall be responsible to improve the OFC network/remaining core of phase-I and phase-II on achieving -25dB or better optical power from day-1 of the contract signed.	Considering the handover / takeover only on the ONTs where the optical power is in the range of -8 dBm to -25 dBm will only test 1 fiber which is live between OLT and ONT. This doesn't provide mechanism to tests the remaining spare fiber. As the PIA shall be responsible for overall O&M of entire network and meet the desired SLAs as per the RFP, it becomes important to tests the spare fibers as well. We request you to consider testing of the spare fiber and only take over the fibers where the optical loss (test through OTDR and LSPM) is within the standard limits i.e., 0.3 dBm / KM for 1550 nm and 0.4 dB / KM for 1310 nm. This will ensure PIA takes over the healthy network which will enable the PIA to meet the desired O&M SLAs mentioned in the RFP. Taking over of spare fiber in a healthy conditions also helps during project execution as the replacement of damaged OFC becomes minimal. Request you to review and consider this.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 5 8	5/ Pg. 132	5.3.1	c. The PIA shall be responsible for overall O&M of the OFC network including GPON equipment, logistics, replacement of faulty GPON, SPV equipment, spares management and also after the MPLS routers are commissioned in the Block and GP. Further, Selected PIA shall be responsible to improve the OFC network/remaining core of phase-I and phase-II on achieving -25dB or better optical power from day-1 of the contract signed.	The PIA shall be responsible for overall O&M of the OFC network including active devices. Request you to share the existing AMC details with the OEMs and module wise OSP & ISP spare quantities	GFGNL has furnished serial numbers on a best-effort basis. Bidders may utilize the provided serial numbers for verification with the respective OEMs. In cases where serial numbers are not available, bidders shall independently engage with the concerned OEMs to ascertain the required details.
4 5 9	5/ Pg. 133	5.3.1 Note ii	II. However, after Five(5) months from appointed date, the entire network shall be deemed to be made over to the PIA on as is where is basis.	Phase-I network was constructed before 8-10 years and phase-II network was constructed before 5 years. Considering the handover / takeover experience of the ongoing BharatNet project execution in different states, a scenario may arise where the route is damaged and it may require more time to restore it. We request you to add a cooling period of minimum 3 months after 5 months from the appointed date so that the PIA can plan and execute the restoration. No penalties shall be applicable during the cooling period. We request you to consider our request and provide a revised guideline on this.	No change in RFP

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 6 0	5/ Pg. 135	-	The PIA shall conduct an exhaustive video-based site and route survey based on an optimal/ shortest path to connect Gram Panchayat (GP) and Block/sub-block as defined under the scope of work for construction and upgradation of network.	Please confirm whether the physical survey and execution of the work is expected blockwise or sub-block wise. As per the design principles mentioned in the RFP, it should be master block wise. Reference: In the ongoing BharatNet execution, the desktop planning, physical survey, project execution and other activities are done block wise.	Pls see revision as "The PIA shall conduct an exhaustive video-based site and route survey based on an optimal/ shortest path to connect Gram Panchayat (GP) and Block as defined under the scope of work for construction and upgradation of network.
4 6 1	5/2/Pg.1 35	e	e) The PIA shall ensure that the GIS based file formats should be compatible with BharatNet GIS platform.	Please provide make, model and version of existing BharatNet GIS platform. Request you to share the make model and version for existing NMS and other softwares installed in SNOC / SDC	Successful Bidder shall take the handover of the existing system as is where is basis as per NOC delivery timeline, it is bidder's responsibility to migrate the existing system to new single platform for better monitoring performance parameter of existing and new network devices.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification																		
4 6 2	5/Pg. 137	-	5.6 FIBERIZATION AND DESIGN PRINCIPLES	Please provide the number of the master blocks per district that the PIA shall consider during the project execution.	Please refer Clause 8.1 SCHEDULE OF REQUIREMENTS (SOR)																		
4 6 3	5/Pg. 137	-	5.6 FIBERIZATION AND DESIGN PRINCIPLES	Are these master blocks required to be planned in BSNL exchanges only or the PIA can plan at existing shelter locations? If the PIA can plan at the existing shelter locations, we understand that GFGNL shall provide the ILL / P2P link required to connect SDC to the master block router. Pls confirm	Please refer Clause 5.12 & Clause 5.8 e) Category-3																		
4 6 4	5/5.6.1/ Pg. 137	5.6.1	5.6 FIBERIZATION AND DESIGN PRINCIPLES 5.6.1 PIA shall follow the fiberization Principles for Phase-I network as stated below <table><tr><th>S. No</th><th>Network Layer</th><th>Fiber Name</th><th>Path</th><th>Fiber Type</th><th>Work</th><th>New Fiber Type (Minimum Requirement)</th><th>Fiber topology (Termination/Spare)</th><th>Fiber path Protection on separate route</th></tr><tr><td>1</td><td>High Speed Data Corridor</td><td>Master Blocks</td><td></td><td>ILL/P2P to be arranged by the GFGNL through Service Provider's</td><td></td><td>NA</td><td>Master Block Site Selection: Existing more than 2(ring) OFC path will be first priority. However, based on traffic and network topology existing ring(2) OFC path may be consider.</td><td>NA</td></tr></table>	S. No	Network Layer	Fiber Name	Path	Fiber Type	Work	New Fiber Type (Minimum Requirement)	Fiber topology (Termination/Spare)	Fiber path Protection on separate route	1	High Speed Data Corridor	Master Blocks		ILL/P2P to be arranged by the GFGNL through Service Provider's		NA	Master Block Site Selection: Existing more than 2(ring) OFC path will be first priority. However, based on traffic and network topology existing ring(2) OFC path may be consider.	NA	As mentioned, the ILL / P2P to be arranged by the GFGNL through service providers, hence, "master block site selection" mentioned in the "Fiber topology" column is applicable to the service providers providing the ILL / P2P. PIA will only be responsible to coordinate to establish connectivity between the service providers device to the master block router. Please confirm.	Master block site selection will be in scope of bidder. Bidder will also be responsible to coordinate to establish connectivity between the service providers device to the master block router.
S. No	Network Layer	Fiber Name	Path	Fiber Type	Work	New Fiber Type (Minimum Requirement)	Fiber topology (Termination/Spare)	Fiber path Protection on separate route															
1	High Speed Data Corridor	Master Blocks		ILL/P2P to be arranged by the GFGNL through Service Provider's		NA	Master Block Site Selection: Existing more than 2(ring) OFC path will be first priority. However, based on traffic and network topology existing ring(2) OFC path may be consider.	NA															

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification																																													
4 6 5	5/5.6.1/ Pg. 137	5.6.1	5.6 FIBERIZATION AND DESIGN PRINCIPLES 5.6.1 PIA shall follow the fiberization Principles for Phase-I network as stated below <table><tr><th>S. No</th><th>Network Layer</th><th>Fiber Name</th><th>Path</th><th>Fiber Type</th><th>Work</th><th>New Fiber Type (Minimum Requirement)</th><th>Fiber topology (Termination/Spare)</th><th>Fiber path Protection on separate route</th></tr><tr><td>1</td><td>High Speed Data Corridor</td><td>Master Blocks</td><td>ILL/P2P to be arranged by the GFGNL through Service Provider/s</td><td></td><td></td><td>NA</td><td>Master Block Site Selection: Existing more than 2(ring) OFC path will be first priority. However, based on traffic and network topology, existing ring(2) OFC path may be consider.</td><td>NA</td></tr></table>	S. No	Network Layer	Fiber Name	Path	Fiber Type	Work	New Fiber Type (Minimum Requirement)	Fiber topology (Termination/Spare)	Fiber path Protection on separate route	1	High Speed Data Corridor	Master Blocks	ILL/P2P to be arranged by the GFGNL through Service Provider/s			NA	Master Block Site Selection: Existing more than 2(ring) OFC path will be first priority. However, based on traffic and network topology, existing ring(2) OFC path may be consider.	NA	We understand that SFP / XFP / any pluggable required at the service provider's equipment shall be managed by the service provider identified by GFGNL. PIA shall only be responsible to provide patch cord to connect service provider's equipment to the master block router. Please confirm	SFP/XFP/any pluggable required at the service provider's equipment shall be managed by service provider identified by GFGNL																											
S. No	Network Layer	Fiber Name	Path	Fiber Type	Work	New Fiber Type (Minimum Requirement)	Fiber topology (Termination/Spare)	Fiber path Protection on separate route																																										
1	High Speed Data Corridor	Master Blocks	ILL/P2P to be arranged by the GFGNL through Service Provider/s			NA	Master Block Site Selection: Existing more than 2(ring) OFC path will be first priority. However, based on traffic and network topology, existing ring(2) OFC path may be consider.	NA																																										
4 6 6	5/5.6.1/ Pg. 137	5.6.1	<table><tr><th>S. No</th><th>Network Layer</th><th>Fiber Name</th><th>Path</th><th>Fiber Type</th><th>Work</th><th>New Fiber Type (Minimum Requirement)</th><th>Fiber topology (Termination/Spare)</th><th>Fiber path Protection on separate route</th></tr><tr><td>1</td><td>High Speed Data Corridor</td><td>Master Blocks</td><td></td><td>ILL/P2P to be arranged by the GFGNL through Service Provider/s</td><td></td><td>NA</td><td>Master Block Site Selection: Existing more than 2(ring) OFC path will be first priority. However, based on traffic and network topology, existing ring(2) OFC path may be consider.</td><td>NA</td></tr><tr><td>2</td><td>Block / Sub-Block corridor</td><td>Master-block to Sub-block/Sub-block to Sub-block</td><td></td><td>Existing/ New Work with shortest route</td><td></td><td>48F (Armoured – Ribbon)</td><td>All cores of fiber to be terminated in FDMS at Sub-block in each path. 36F to be remained spare end to end between block to block after utilizing in network topology</td><td>Minimum Two Path</td></tr><tr><td>3</td><td>Access corridor (Sub-block to GP)</td><td>Sub-block to FPOI (Existing Leased route)</td><td></td><td>New work – Straight route</td><td></td><td>24F (Armoured - LT)</td><td>12F to be remain spare end to end after utilizing in network topology</td><td>Minimum Two Path</td></tr><tr><td>4</td><td>Access corridor (Sub-block to GP)</td><td>Ring work for Gram Panchayat (Subblock/FP OI to GP)</td><td></td><td>New work + Repair work</td><td></td><td>24F (Armoured - LT)</td><td>12F cores to be terminated in FDMS at GP in each path. Remaining fibre cores shall be pass through (continues through the enclosure/splicing tray without being terminated). 12F to be remain spare end to end (Sub-block to GP and GP to GP ring) after utilizing in network topology</td><td>Minimum Two Path</td></tr></table>	S. No	Network Layer	Fiber Name	Path	Fiber Type	Work	New Fiber Type (Minimum Requirement)	Fiber topology (Termination/Spare)	Fiber path Protection on separate route	1	High Speed Data Corridor	Master Blocks		ILL/P2P to be arranged by the GFGNL through Service Provider/s		NA	Master Block Site Selection: Existing more than 2(ring) OFC path will be first priority. However, based on traffic and network topology, existing ring(2) OFC path may be consider.	NA	2	Block / Sub-Block corridor	Master-block to Sub-block/Sub-block to Sub-block		Existing/ New Work with shortest route		48F (Armoured – Ribbon)	All cores of fiber to be terminated in FDMS at Sub-block in each path. 36F to be remained spare end to end between block to block after utilizing in network topology	Minimum Two Path	3	Access corridor (Sub-block to GP)	Sub-block to FPOI (Existing Leased route)		New work – Straight route		24F (Armoured - LT)	12F to be remain spare end to end after utilizing in network topology	Minimum Two Path	4	Access corridor (Sub-block to GP)	Ring work for Gram Panchayat (Subblock/FP OI to GP)		New work + Repair work		24F (Armoured - LT)	12F cores to be terminated in FDMS at GP in each path. Remaining fibre cores shall be pass through (continues through the enclosure/splicing tray without being terminated). 12F to be remain spare end to end (Sub-block to GP and GP to GP ring) after utilizing in network topology	Minimum Two Path	We understand that the block / sub-block corridor & Access corridor can be on the same route as in case of sub-block and GP locations, alternate paths may not be available. Please confirm.	Please refer Clause 5.6 FIBERIZATION AND DESIGN PRINCIPLES
S. No	Network Layer	Fiber Name	Path	Fiber Type	Work	New Fiber Type (Minimum Requirement)	Fiber topology (Termination/Spare)	Fiber path Protection on separate route																																										
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 6 7	5/12c/ Pg. 140	12c	c) Each GP ring preferably integrate in dual homed on adjacent block routers with optimized OFC route. Where, dual homed means, GP router to be parented to two-different sub-blocks for mitigating any single point of failure risk associated with router/location.	Depending on the geography, PIA shall prefer GP ring dual homed i.e., GP ring originating from one sub-block / block router and terminating it to the adjacent sub-block / block router. However, PIA shall also plan a GP ring in a single homed i.e., GP ring originating and terminating to the same block / sub-block router depending on the desktop and physical survey. There are no restrictions in planning the GP ring single homed. Please confirm	Please refer Clause 5.6.2 12) & Clause 5.8 e) vii.
4 6 8	5/ 12f/ Pg.140	12f	f) Similarly, sub-block needs to connect in preferably dual home connectivity and to be parented on adjacent master block.	In order to connect a sub-block to two different adjacent master blocks, a IP / MPLS connectivity / adjacency between adjacent master blocks needs to be established in order to switch over the traffic in case of outage. Without establishing the connectivity, the switch over may not work. As the PIA is not expected to create network for high speed data corridor, we understand that the IP / MPLS connectivity between these adjacent master blocks shall be provided by GFGNL. The ILL /P2P link at these two adjacent master blocks shall also be provided by GFGNL. Please confirm	Please refer Clause 5.8 NETWORK DESIGNCategory-3: Express/Core Layer / Master block to SDC

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 6 9	5/14/Pg. 141	14	I. Provisioning of a single UG path, in place of a redundant arrangement, shall be permitted for a maximum of 10% of the total GP scope in the Kutch region, subject to no compromise on link capacity and SLA performance parameters.	We understand that the clause is specific % of GPs only and not related to the distance of the single path. Please confirm.	Understanding is correct
4 7 0	5/15/Pg. 141	15	i) Single UG path connectivity, in place of a redundant path, shall be permitted for a maximum of 4% of the total GPs excluding Kutch region, subject to no dilution of link capacity and SLA performance parameters.	We understand that the clause is specific % of GPs only and not related to the distance of the single path. Please confirm.	Understanding is correct
4 7 1	5/18/Pg. 143	18	g) In case where existing routes of GP-GP ring is common in subblock-to-subblock corridor, then number of spare fibers should also be common. (i.e. 36F Spare fiber on common route). In other words, the duplication of spare fibers on common route should be avoided.	This shall be applicable only to the phase-II network as the GP - GP ring is constructed using 48F. We request you to review this clause for phase-I network also and provide spare guidelines in such cases for phase-I network.	Please refer Clause 5.6 FIBERIZATION AND DESIGN PRINCIPLES
4 7 2	5/18/Pg. 143	18	g) In case where existing routes of GP-GP ring is common in subblock-to-subblock corridor, then number of spare fibers should also be common. (i.e. 36F Spare fiber on common route). In other words, the duplication of spare fibers on common route should be avoided.	Out of the 48F, 12F shall be used for GP - GP ring as well as sub-block to sub-block ring and the remaining 36F shall be considered as spare on common route. Please confirm.	Bidder understanding is correct.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 7 3	5/19/Pg. 143	19	b) The selected bidder shall be responsible for providing comprehensive Annual Maintenance Contract (AMC) and Operations & Maintenance (O&M) services for all such strategic locations, covering both active and passive infrastructure, including but not limited to fiber, OLT/ONT, switches, power systems, accessories, and associated network elements. The detailed inventory and site-wise scope are provided in Annexure-XXXIX in clause 9.39, which shall form an integral part of this RFP.	Please provide detailed list of equipment's installed along with the existing AMC contracts. We understand that the renewal of AMC contracts shall be borne by GFGNL. Please confirm.	Renewal of AMC contracts is in bidder's scope
4 7 4	5 & 6/6/ Pg. 169 - 252	6	PIA shall submit details such as APIs', protocols, version, attributes etc. to GFGNL. Once, the information has been shared at detailed level, both PIA and GFGNL shall complete integration of NOC within 90 days from agreement signed date.	90days timeline for supply, installation, testing , commissioning and Integration is very less. Due to ongoing global situations, OEMs take longer time to deliver the products. Request you to review the entire timelines and please revise the overall SNOC component delivery timelines from 90 days to 240 days.	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 7 5	5/5.15(1))/ Pg. 169	5.15 (1)	1. GFGNL has already established S-NOC with state of art facilities at Udyogbhavan, Gandhinagar as part of the BharatNet Phase-II. The PIA will be required to upgrade these S-NOCs in accordance with the functional requirements mentioned below, by suitably modifying the indicative BoM after obtaining the approval from GFGNL/IE.The Active, IT and Non IT component list given in (clause 9.36) Annexure-XXXVI. This infrastructure can be utilized/upgrade/replaced to meet the requirements of ABP.GFGNL shall provide the space and power at SDC/SNOC.	We assume that PIA/Bidder will not be required to do anything in Civil, Electrical Furniture infrastructure laid at existing Location at GFGNL Udyogbhavan. Kindly Clarify	As of now S NOC inventory given in annexures, are in working and operative condition. It is bidder's responsibility to avail AMC for next 10 years. If replacement require during the tenure, bidder shall replace the same with no additional cost to GFGNL.
4 7 6	5/5.15(1))/ Pg. 169	5.15 (1)	1. GFGNL has already established S-NOC with state of art facilities at Udyogbhavan, Gandhinagar as part of the BharatNet Phase-II. The PIA will be required to upgrade these S-NOCs in accordance with the functional requirements mentioned below, by suitably modifying the indicative BoM after obtaining the approval from GFGNL/IE.The Active, IT and Non IT component list given in (clause 9.36) Annexure-XXXVI. This infrastructure can be utilized/upgrade/replaced to meet the requirements of ABP.GFGNL shall provide the space and power at SDC/SNOC.	As per clause 9.36 Annexure-XXXVI - Enclosure is missed for SNOC Active and Non-IT component Please share the same	As of now S NOC inventory given in annexures, are in working and operative condition. It is bidder's responsibility to avail AMC for next 10 years. If replacement require during the tenure, bidder shall replace the same with no additional cost to GFGNL.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 7 7	5/5.15(2 1)/Pg. 170	5.15 (21)	21. Logs and other items like trouble ticket details related to invoicing and payment shall be retained for 1 year or date of invoice settlement or based on GFGNL requirements whichever is later.	As per the clause 5.15 (23) - 23. PIA shall host EMS of all the active equipments to the proposed HCI solution. Application of GIS and NMS are to be hosted at SDC infrastructure. Page - 172, Clause 5.15 (42) - 42. The PIA must deploy all software application at the State Data Centre, Gandhinagar, and may be required to deploy at any other location as specified by GFGNL in the future. GFGNL shall arrange the necessary permissions for hosting. PIA shall provide the optimal sizing. PIA shall submit sizing in following format Page: 175 - Under Geographical Information System (GIS) (a) PIA shall arrange the storage on cloud with Cert-in and MeITY approved for videography and photography of survey and implementation project data GFGNL shall provide compute and storage for rest of the application related requirement. As per above given clauses, we assume that GFGNL will provide required server and storage resources to host application at SDC (state data center) Kindly confirm	GFGNL shall facilitate the hosting of GIS and NMS application at Data center.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 7 8	5/5.15 (23) 5.15 (42) 52 (a) 5.23.5.2 / Pg. 171 172 175 229	5.15 (23) 5.15 (42) 52 (a) 5.23.5.2	5.15 (23) - 23. PIA shall host EMS of all the active equipments to the proposed HCI solution. Application of GIS and NMS are to be hosted at SDC infrastructure. Page - 172, Clause 5.15 (42) - 42. The PIA must deploy all software application at the State Data Centre, Gandhinagar, and may be required to deploy at any other location as specified by GFGNL in the future. GFGNL shall arrange the necessary permissions for hosting. PIA shall provide the optimal sizing. PIA shall submit sizing in following format Page: 175 - Under Geographical Information System (GIS) (a) PIA shall arrange the storage on cloud with Cert-in and MeITY approved for videography and photography of survey and implementation project data GFGNL shall provide compute and storage for rest of the application related requirement. 5.23.5.2 (Pg. 229) a) Server (Computing) and Storage for all software applications like NMS along with all other applications such as ERP, Project management tool, web portal mobile, etc. will be provided by GFGNL.	Given clauses create ambiguity to provide required compute and storage resources for the RFP requirements we request you to clarify that (1) Is GFGNL provide required compute and storage resource to host multiple application at S-NOC/SDC? (2) Is GFGNL provides Non-IT resources like Rack space, Uninterruptible Power Supply, desired cooling etc to host Compute, Storage infra	(1) Is GFGNL provide required compute and storage resource to host multiple application at S-NOC/SDC?GFGNL shall provide hosting the app like GIS and NMS. However Video storage is to be arrange by bidder at cloud. Further EMS are to be hosted at HCI which is to be provided by bidder. (2) Is GFGNL provides Non-IT resources like Rack space, Uninterruptible Power Supply, desired cooling etc to host Compute, Storage infra.-At SDC such facilities shall be made available.As of now S NOC inventory given in annexures, are in working and operative condition.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					It is bidder's responsibility to avail AMC for next 10 years. If replacement require during the tenure, bidder shall replace the same with no additional cost to GFGNL.
4 7 9	5/ 5.15(38) /Pg. 172	5.15 (38)	PIA shall provide SMS Gateway and Email Gateway to meet the operational requirement.	We assume that SMS & eMail gateway and service charges will be reimbursed by GFGNL. Kindly clarify	Bidder to provide the same at no extra cost to GFGNL

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
480	5/5.15(52)/Pg.175	5.15 (52)	52. Geographical Information System (GIS): Gujarat Fibre Grid Network Limited (GFGNL) intends PIA to procure services of a competent firms for establishing a GIS system to help in management, analysis, and display of its fibre network to be created (accurately to 20 cm geographical precision) as part of BharatNet Phase III implementation with 10 years of operations & Management. PIA shall arrange the storage on cloud with Cert-in and MeITY approved for videography and photography of survey and implementation project data. GFGNL shall provide compute and storage for rest of the application related requirement.	As per given clause GFGNL will provide required compute and storage for all required application apart from GIS captured video and images. Kindly confirm.	GFGNL shall provide hosting the app like GIS and NMS. However Video storage is to be arrange by bidder at cloud. Further EMS are to be hosted at HCI which is to be provided by bidder.
481	5/5.15(52)/Pg.175	5.15 (52)	52. Geographical Information System (GIS): Gujarat Fibre Grid Network Limited (GFGNL) intends PIA to procure services of a competent firms for establishing a GIS system to help in management, analysis, and display of its fibre network to be created (accurately to 20 cm geographical precision) as part of BharatNet Phase III implementation with 10 years of operations & Management. PIA shall arrange the storage on cloud with Cert-in and MeITY approved for videography and photography of survey and implementation project data. GFGNL shall provide compute and storage for rest of the application related requirement.	We assume that PIA has to arrange Storage on cloud for GIS during Installation phase only i.e. 3 Years. Kindly clarify and if it is not as per assumption please provide minimum Years need to take service from cloud vendor	Since storage on cloud required for Videography which is to be done during Project phase. Further virtual inspection is also to be mendate from C-NOC. Retantion of the data largely dependent on above two factors

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 8 2	5/Pg. 183		4 Warranty Support: As part of the warranty services PIA shall provide: 1. PIA shall provide a comprehensive on-site OEM warranty of 10 years. warranty from (SI/OEM) as per the MAF.	As per given clause, we assume that stated warranty means (3 Years Implementation phase and 7 years O&M phase mentioned in RFP) RFP has different warranty period mentioned I.e. 5.19.3 O&M SLA & Penalties - viii, page 198 - In case of any fault arises in the installed items during the warranty period of five years, Bidder is requiring to either repair the faulty items or have to install the replacement (complying to the RFP specification) for faulty material without any additional cost to the GFGNL	All the equipment shall be under warranty for 3 years and will be extended for next 7 years for the contract duration without any additional cost to tenderer w.e.f. the date of commissioning. Date of commissioning for block & GP routers and associated hardware will be taken as the date on which 90% of the GPs of a sub-block , including block router is visible in state NoC NMS. The warranty shall start from 1st day on next calendar Month from dateB of go-live of Block/s. The purpose of coterminous of warranty on

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					particular date is basically for ease in accounting.
4 8 3	4/11/Pg. 184	11	Warranty should not become void, if DST/GIL buys, any other supplemental hardware from a third party and installs it within these machines under intimation to the PIA. However, the warranty will not apply to such supplemental hardware items installed.	It seems erroneously GIL was mentioned in the clause instead of GFGNL. Please make necessary corrections.	No change in RFP

4 8 4	5/5.23.4 /Pg.226	5.23.4	5.23.4 NETWORK INVENTORY a. The PIA would be required to maintain an inventory of all the components used in the network and the spares available at the different levels and locations in the ERP software. Warehouse for keeping the spares at BHQ/DHQ shall be in scope bidder.	As per given clause, we assume that GFGNL will provide ERP software access for entire contract period to PIA for Inventory management. Kindly clarify.	Please refer the updated clause in corrigendum/Master RFP
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 8 5	5/Pg.23 9		New Phase-III Equipments: AMC Governance and Contractual Obligations : as per the warranty clause and details mentioned in the MAF. j) PIA has to ensure to include all types of security measures to ensure the network's integrity and data privacy, such as: - Firewall configuration and management - NDR(Network Detection and Response) Solution - Access control and authentication - Encryption and decryption	We assume that given clause is not relevant to required solution as per RFP kindly remove this clause.	No change. The provision shall remain as per the RFP.
4 8 6	5/Pg.24 0		q) There should be an EMS for monitoring major parameters including Input & Output Voltages, Inside & Outside Temperature, Alarms, % battery back up time left. The monitoring should be possible from SNOC/ Central NOC in real time. Delay in any alarm incident will invite the penalty. For example, for any instance on delay in alarm will be penalized with 0.2% of quarterly O&M billing amount and this will be over and above the maximum O&M cap limit of the O&M billing amount	We understand that these parameters are to be monitored through racks installed at field. Please confirm.	Please refer the updated clause in corrigendum/Master RFP
4 8 7	6/Pg.25 2		6.1 SNOC COMPONENTS DELIVERY TIMELINES	As per table mentioned in RFP (T+2Weeks), Hardware component delivery timeline is 2 Week which none of OEM will be able to deliver. We request to change it to 20 Weeks and rest other timeline change accordingly.	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
488	6/6.6.2 Imported Equipment/Pg. 267	6.6.2 Imported Equipment	J. TSEC applicability Table Point 16: Lithium-Ion Battery of 2400 VAH to be used	Please clarify why 2400 VAH Li-Ion Batteries mentioned in "TSEC applicability" Table. Kindly clarify which one should bidder/PIA consider, 2400VAH or 6 Hrs Backup (as mentioned in Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP at page no 420)	It was typo-error, "2400 VAH Li-ion batteries " stands deleted. Bidder is responsible to provide 6Hrs of backup as mentioned in the technical specifications for UPS at GP
489	8/8.3/Pg . 319	8.3	27 Unlicensed Band Radio (UBR) 5.X with 27dbi Antenna, mounting fixture including all installation material and services without mast on either end (equipment to be supplied in pair to be installed at both ends of a link)	Required quantity is mentioned "1" however as per SOR (Page no 305, given quantity is 207 Please clarify quantity bidder has to consider	No change. The provision shall remain as per the RFP. Kindly refer the RFP Clause "Section-8 Financial Bid >> Table 1A >> Note-1
490	8/8.3/Pg . 319	8.3	SITC(Supply, Installation,Testing and Commissioning) and acceptance of point to point Li-Fi / FSO link of 1G Capacity including tower/pole/mast/ RTT earthing cable, lightening arrester, clamps/fixtures, optical /cat-6 patch cord & electrical cables etc	Required quantity is mentioned "1" however as per SOR (Page no 305, given quantity is 41 Please clarify quantity bidder has to consider	No change. The provision shall remain as per the RFP. Kindly refer the RFP Clause "Section-8 Financial Bid >> Table 1A >> Note-1
491	8/8.3/Pg .319	8.3	MARR type mast (15 Mtr height) for UBR/DMW	Required quantity is mentioned "1" however as per SOR (Page no 305, given quantity is 62 Please clarify quantity bidder has to consider	No change. The provision shall remain as per the RFP. Kindly refer the RFP Clause "Section-8 Financial

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					Bid >> Table 1A >> Note-1
4 9 2	10/III/Pg . 407	III	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS Technical Specifications for EMS of Routers System Architecture - Distributed, scalable, and modular architecture with centralized management for multi-vendor devices.	eMS of router would be OEM specific so we request you to remove "Multi vendor" from given clause As per updated clause - Technical Specifications for EMS of Routers System Architecture - Distributed, scalable, and modular architecture with centralized management for multi-vendor devices.	Kindly read the modified RFP Clause as "System Architecture: Distributed, scalable, and modular architecture with centralized management."
4 9 3	10/IV/Pg g. 407	IV	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS IV. Server Hardware Specification	As per compliance page no 407 - Server Hardware specification is provided and page no 494 XXXIV.Hyper Converged Infrastructure is asked Please clarify bidder has to supply Both types of server OR any one type of servers?	RFP Section -10 Annexure-B IV. Server Hardware Specification stands deleted. Kindly refer XXXIV.Hyper Converged Infrastructure.
4 9 4	10/XI/Pg .420	XI	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP Point 22. UPS Auto Start on Deep Discharge Required	We request to include "Auto-Shutdown" which turn offs the UPS when the battery reaches specific percentage eg. 10%, this will avoid deep discharge altogether and ensure the longer life of lithium batteries	As per clarification sought

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 9 5	10/XI/Pg .420	XI	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP Point 1. Type - Online for GR 66140:2019 or latest updates without any Hybrid functionality	TEC-GR: 66140:2019. This Tec-GR is okay for UPS without Hybrid functionalities. But as per SOR, the UPS should have provision for MPPT Card and should be supplied excluding MPPT card and solar panel. By this requirement and potential, the UPS qualifies to be a Hybrid UPS and the TEC GR 66160:2024 should be applicable Kindly clarify	TEC GR 66160:2024 or TEC GR 66140:2019 with latest amendments without any Hybrid functionality shall be applicable.
4 9 6	10/XI/Pg .420	XI	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS XI. Minimum Technical specifications for Uninterrupted Power Supply (UPS) System at GP Point 3. Backup time - Minimum 6 hrs with Full Load	Minimum 6 Hrs with Full load >> Is this refers to connected load of 500W or the full capacity of the UPS OR actual load proposed by bidder? Kindly clarify	No change. The provision shall remain as per the RFP, Minimum 6 Hrs with Full load
4 9 7	10/XI/Pg .421	XI.	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS Point 28: Recharge time 6 to 8 Hrs in	Based on the real-life conditions for Constant power availability, we seek relaxation of charging time to 10 hrs	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
4 9 8	10/XI/Pg .422	XI.	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS Note:3 For monitoring major parameters including Input & Output Voltages, Inside & Outside Temperature, Alarms, % battery back up time left. The monitoring should be possible from SNOC/ Central NOC in real time. Delay in any alarm incident will invite the penalty. For example, for any instance on delay in alarm will be penalized with 0.2% of quarterly O&M billing amount and this will be over and above the maximum O&M cap limit of the O&M billing amount.	We assume that the UPS traps can be directly fed to NMS at SNOC/CNOC to monitor the required parameters.	Understanding is correct
4 9 9	10/Rack at Sub- Block/Sh elter Location s for Phase-I & 2 both/Pa ge-426	Rack at Sub- Block/ Shelter locations for Phase 1 & 2 both	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS Sr No. 2 Dimensions Height =24U standard (approx. 2000– 2050 mm external height) Width=600 mm or 800 mm depending on cable volume Depth=1000–1200 mm (choose based on server/storage depth)	Block/sub block location server, storage will not be going to install so kindly remove "Choose based on server/ storage depth) Sr No. 2 Dimensions Height =24U standard (approx. 2000–2050 mm external height) Width=600 mm or 800 mm depending on cable volume Depth=1000–1200 mm (choose based on server/storage depth)	Refer the updated clause in specification. However, the Cable and equipment details are part of "Design, Construction, Supply, Implementation, Testing & Commissioning and Operation & Management" Model of RFP

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
500	10/Rack at Sub-Block/Shelter Locations for Phase-I & 2 both/Pa ge-428	Rack at Sub-Block/ Shelter locations for Phase 1 & 2 both	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS Point 4: PDU/MCB Should have min two nos. 32 Amp PDU(16Amp(6) , 32 Amp(2), 6 Amp (2)), each having min six nos. C13 sockets and six nos. 3-pin round socket	Being this is a Block Rack and requirements metioned in RFP for Block Equipments are working in DC power. Please clarify the requirement for 6 Nos of C-13 and 6 Nos of 3 Pin round sockets. The actual requirement shouldbe DCDB instead of PDU. Requesting to remove the word"PDU" and to avoid confusions. Kindly clarify	No change. The provision shall remain as per the RFP.
501	.-	NA	New Queries	We request you to provide indicative Bills of Material required for SNOC?	Pls refer Section 8.1
502	.-	NA	New Queries	As per the Price Bid and SOR below components are not available so we assume that said components will be provided by GFGNL Firewall, NIPS, Primary Storage, Secondary storage, Backup and Archiving solution, AAA, etc Kindly clarify	No change. The provision shall remain as per the RFP.
503	5/5.2(III) /Pg.129	5.2(III)	PIA shall be responsible to do survey, planning, design and build Amended Bharatnet Program (i.e., BharatNet Phase-III) network architecture to provide 1Gbps bandwidth per each Gram Panchayat which shall be scalable to 10Gbps bandwidth per each Gram Panchayat across Gujarat by ensuring to design and implement OFC route based on network design concepts provided in subsequent RFP sections.	From day one, each GP is having 1Gbps , and from day two, each GP is having 10Gbps. But when you are asking for scalability to 10G, then the GP ring should be upgraded from 10G to 100G. The GP ring is having the 10G port, and there is no 100G port at GP. Once the 100G port is available at GP, then we will be able to upgrade the GP ring from 10G	Pls refer RFP clause - 5.14 >> I) Modification in the Ring Architecture to meet increased Bandwidth Requirement

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				to 100G, and we may provide 10Gbps at each GP. Kindly confirm the day 2 requirement.	
5 0 4	5/5.6(19))/Pg.143	5.6(19)	Strategic/Other Location Connectivity(AMC, O&M and Change Management)	Kindly clarify, are these strategic locations are part of the HOTO, if yes what is the process for taking the HOTO.	Strategic locations are part of th HOTO. Please refer Clause 5.23.1.1 INFRASTRUCTURE HANDOVER TAKEOVER
5 0 5	5/5.7- C/Pg.14 3	5.7-C	The PIA shall submit the Block wise site survey reports in line with the guidelines mentioned [SIGN OF BIDDER] Page 144 of 589 in this RFP. The Project Implementation Agency (PIA) shall prepare and submit Block-wise site survey reports to the Independent Engineer (IE) for certification, ensuring compliance with the guidelines specified in this RFP	We understand that the Site Survey and the planning should be done sub-block wise. GFGNL/IE shall verify the desktop planning, and if any changes are required, they shall be suggested to the bidder else the BOQ/Planning shall be approved and accordingly the field construction shall be started. Here GPs are either dual home to the sub-block or single home to the sub-block. Please clarify.	Pls refer Query No. 460

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
506	5/5.8(E-Vii)/Pg.146	5.8(E-Vii)	GP (Gram Panchayat) nodes shall be connected using a 10G ring architecture, preferably dual-homed, utilizing maximum three 10G GP OFC rings. Each GP ring should be parented on the respective sub-block node.	We understand that we shall form the GP ring between the two different sub-blocks, and considering a maximum of 7 GPs in each ring, a maximum of 3 rings shall be formed. Therefore, a total of 21 GPs shall be in 3 different rings. if we considering child ring also than maximum 30 GPs parented to two different sub block or withng the same sub-block. Please clarify	Pls refer clause 5.6.2 (b)
507	5/5.8 Category 2Note/Pg. 146	5.8 Category-2 Note	Sub-Block nodes shall be connected using a 100G ring architecture, preferably dual-homed. One sub-block ring comprising of two/three 100G Sub-Block nodes to be parented on master block in dual home architecture. Maximum two Sub-block ring node should be parented on the respective Master-block node.	We understand that sub-blocks are dual parented to the Master Block. This means if 3 sub-blocks are in one ring, then these 3 sub-blocks are parented to two different Master Blocks or to the same Master Block. Secondly, we shall form a maximum of two 100G sub-block rings between the two Master Blocks or within the single Master Block, and the same is shown in the diagram at Drawing-A (Network Design BharatNet Phase-III), page no. 148. Therefore Maximum 6 Sub-block in two different ring shall be paranted to two Master Blocks or within the single Master Block. Please clarify.	Pls refer RFP clause - 5.14 >> I) Modification in the Ring Architecture to meet increased Bandwidth Requirement

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 0 8	5/5.1/Pg .151	5.1	5.10 ACCEPTANCE TESTING (COMMISSIONING) FOR THE OPTICAL FIBRE NETWORK CONNECTIVITY , 3. Acceptance Criteria – Sub-Block 3.1 Scope of Acceptance 3.1.1 Sub-block acceptance shall cover: • Dual connectivity to two Master Blocks	We understand, during the AT of the sub-block, it may be connected to two different Master Blocks or a single Master Block. As per the diagrams shown, we shall demonstrate dual connectivity to two Master Blocks or to single Master Block. Please clarify.	As per Clause 5.8 NETWORK DESIGN Category-2: Aggregation Layer (Sub-Block to Master-Block/Sub- Block),Sub-Block nodes shall be connected using a 100G ring architecture, preferably dual-homed. One sub-block ring comprising of two/three 100G Sub-Block nodes to be parented on master block in dual home architecture. Maximum two Sub- block ring node should be parented on the respective Master-block node.
5 0 9	5/5.10(4 .2.1)/Pg. 152	5.10(4.2.1)	4. Acceptance Criteria – Gram Panchayat (GP) 4.2 Installation and Commissioning 4.2.1 The PIA shall install and commission: Fibre connectivity to both Sub-blocks	We understand, during the AT of the GP, it may be connected to two different Sub-blocks or a single Sub-block. As per the diagrams shown, we shall demonstrate dual connectivity to two Sub-block or to single Sub-Block. Please clarify.	As per Clause 5.8 NETWORK DESIGN Category-1: Access Layer (Gram Panchayat to Sub- Block) vii. GP (Gram Panchayat) nodes

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					shall be connected using a 10G ring architecture, preferably dual-homed, utilizing maximum three 10G GP OFC rings. Each GP ring should be parented on the respective sub-block node.
510	SECTION -3 ELIGIBILITY CRITERIA	Appendix # A #Table-01 For Sole Bidder Page 43 of 589	Average Annual Financial Turn Over (In Cr) - 4700 Cr in FY 2022-23, FY 2023-24, and FY 2024-25 or FY 2023-24, FY 2024-25, and FY 2025-26(non-audited may allowed)	We request authority to reduce the turnover for more participation and modify the clause as below: Average Annual Financial Turn Over (In Cr) - 3000 Cr in FY 2022-23, FY 2023-24, and FY 2024-25 or FY 2023-24, FY 2024-25, and FY 2025-26(non-audited may allowed)	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 1 1	SECTION -3 ELIGIBILITY CRITERIA	Appendix # A #Table-02 For Lead Bidder and Consortium Page 44 of 589	Average Annual Financial Turn Over (In Cr) For Lead Bidder and /or Consortium Partner a) For the cases of (Lead with one Consortium) 4700 Cr (Min 2350 Cr of Lead bidder However, the other members of the consortium should have minimum Rs. 400 Cr average annual turnover during last 3 financial years) b) For the cases of (Lead with two Consortium) 4700 Cr (Min 1900 Cr of Lead bidder However, the other members of the consortium should have minimum Rs. 400 Cr average annual turnover during last 3 financial years)	We request authority to modify the clause as below: Average Annual Financial Turn Over (In Cr) For Lead Bidder and /or Consortium Partner a) For the cases of (Lead with one Consortium) 3000 Cr (Min 1500 Cr of Lead bidder However, the other members of the consortium should have minimum Rs. 400 Cr average annual turnover during last 3 financial years) b) For the cases of (Lead with two Consortium) 3000 Cr (Min 1200 Cr of Lead bidder However, the other members of the consortium should have minimum Rs. 400 Cr average annual turnover during last 3 financial years)	No change. The provision shall remain as per the RFP.
5 1 2	SECTION -3 ELIGIBILITY CRITERIA	3.1 PRE- QUALIFICATION CRITERIA Page 35 of 589	2.2 For Positive net worth: a) Certificate from the Statutory Auditor on net worth i.e., FY 2022-23, FY 2023-24, and FY 2024-25) Audited financial statements for the last three financial years (2022-23, 2023-24 & 2024-25 or 2023-24, 2024-25 & 2025-26). Unaudited statement if certified by the Statutory Auditor for the year 2025-26, shall also be accepted.	We request authority to modify the clause as below: 2.2 For Positive net worth: a) Certificate from the Statutory Auditor / Chartered Accountant (CA) on net worth i.e., FY 2022-23, FY 2023-24, and FY 2024-25) Audited financial statements for the last three financial years (2022-23, 2023-24 & 2024-25 or 2023-24, 2024-25 & 2025-26). Unaudited statement if certified by the	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				Statutory Auditor for the year 2025-26, shall also be accepted.	
5 1 3	SECTION -9 ANNEXU RES & FORMA TS	9.24 Format XXIV- Check list Page 370 of 589	Certificate from the Statutory Auditor for network and average annual turnover for the financial year preceding the Bid Date as per eligibility criteria	We request authority to modify the clause as below: Certificate from the Statutory Auditor/ Chartered Accountant (CA) for network and average annual turnover for the financial year preceding the Bid Date as per eligibility criteria	Pl see preceeding response in query-450
5 1 4	SECTION -5 SCOPE OF WORK	5.2 (xi)	Selected bidder has to Fulfil additional requirements, if any, in the larger interest of the Government Network under BharatNet, such as dark fiber delivery, additional OFC work, any other service provisioning for GFGNL/DST/DoT/DBN empaneled partners and other measures to enable optimal utilization of the network	Pls clearly define the scope and financial limits of any additional requirements	For adhoc basis connectivity payment will be given based on the rates mentioned in table rate card mentioned in VIP/Adhoc/ Major table.
5 1 5	SECTION -5 SCOPE	5.22. c.	In event of speeding of the work where ROW charges are minor, if PIA pays for the ROW charges, then GFGNL shall reimburse without delay	Pls clarify the minor charges in terms of values/specific measurable parameters.	No change in the RFP. However, Bidder may refer

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
	OF WORK		(Monthly basis) after adjusting penalty raised/settled by the agency.		clause 5.22 RIGHT OF WAY (O)
5 1 6	SECTION -5 SCOPE OF WORK	5.22.q.	No penalty shall be levied due to delay in RoW due to any reason whatsoever if the same is not solely attributable to the PIA	Pls clarify that any delay in obtaining RoW will grant the Extension of Time (EOT) and provides relief from Liquidated Damages.	No penalty shall be levied due to delay in RoW due to any reason whatsoever if the same is not solely attributable to the PIA. There is no provision of liquidated damages.
5 1 7	7	7.10.2.7	Over and above maximum penalty cap limit, Back-to-back penalties will be levied to BIDDER i.e., whatever financial penalty will be levied to GFGNL by its dark fibre leasing customer due to downtime, GFGNL will recover same penalty from BIDDER back-to-back.	As the penalty cap is already high, it is requested that it can be retained within the applicable limit. Furthermore, exclusions should be provided for events or circumstances that are beyond the bidder's control and not attributable to the bidder, as such liabilities cannot be transferred on a back-to-back basis.	Bidders are advised to refer Clause 7.10.2.18 (Exclusion) and Clause 4.25 (Force Majeure Events) of the RFP. Delays arising due to events beyond the control of the PIA, shall be governed as per the provisions specified in the aforesaid clauses. Accordingly, exclusion of such delays shall be considered subject to submission of

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					valid supporting documents and approval by GFGNL, as per contractual terms.
518	4	4.41	Termination for Default	It is requested to include cure period of atleast 30 days before initiating termination process, allowing the PIA to rectify identified defaults.	The termination provisions, including notice/cure period shall be governed strictly as per the terms defined in the RFP. No Change in the clause
519	4	4.1, 4.2, 5.1, 6, 7, 10	Failure to supply and/ or Commission the equipment and /or execution of the work at all even in extended delivery schedules, if granted against PO/ WO.	We request BSNL to kindly revise the clause as : Defaults by the Bidder in the performance of its delivery obligations shall render the Bidder liable to the following:- - Short closure of the contract in part or full and/ or termination of the contract for default after serving a notice of 30 days to the bidder to cure the defect. Further the bidder shall not be liable for cost for replacement services in any event.	Refer the RFP Clause-4.41in section 4 for better clarity
520	4	5.2	Major quality problems (as established by a joint team / committee of User unit(s) and QA package) / performance problems and non-rectification of defects (based on reports of field units and QA package).	Please specify the amount of penalty chargeable here.	The Calculation formulas already mentioned in the same clause/table, Bidder is advised to

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					carefully review the clause.
5 2 1	4	4.5	PATENT RIGHTS, COPY RIGHT & IPR	The indemnity claimed is too broad and hence bidder suggest as under: Bidder shall indemnify and hold harmless BSNL against any third party claim that any of the bidder deliverables created or material otherwise provided by bidder hereunder infringes a copyright patent of a third party. BSNL shall promptly notify bidder of any third party claim and bidder shall at its option conduct the defence in any such third party action arising as described herein at bidder's sole expense and bidder shall cooperate with such defence. Bidder indemnification shall not extend to any such liability which arises as a result (a) use of bidder deliverables or services in a manner inconsistent with instructions or documentation provided by bidder; (b) combination of bidder deliverables or services with software or other programs not provided by bidder.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 2 2	4	7	If any defect is not remedied by the supplier within a reasonable time, the Purchaser may proceed to get the defects remedied from other supplier/contractor/PIA etc., at the supplier's risk and expenses, but without prejudice to any other rights which the purchaser may have against the PIA/supplier in respect of such defects.	The condition that purchaser reserves the right to remedied the defects at the risk and cost of the defaulting bidder actually puts the bidder in UNLIMITED/UNCAPPED RISK which is unreasonable, more due to the fact that there are multiple penalties already applicable. Hence, this paragraph may be deleted.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 2 3	4	4.41 XI	Termination of Contract	In the event of termination of the Contract by BSNL for any reason whatsoever, BSNL shall pay the Bidder the following amounts: (a) The Contract Price, attributable to the parts of the Equipment(s)/Work(s) executed including goods and services delivered (including also the Work in Progress) by the Bidder up to the date of termination. In respect of capital items deployed in the Project, BSNL must purchase at the Written Down Value (WDV) from the Bidder all IT & non-IT infrastructure and the hardware and software deployed. The costs reasonably incurred by Bidder in the ramp down / disengagement of Bidder's and its subcontractors' personnel; (c) Any amount to be paid by Bidder to its subcontractors in connection with the termination of any subcontracts, including any cancellation charges; (d) Costs incurred by Bidder in protecting the Equipment(s)/ Work(s) and leaving the site in a clean and safe condition pursuant to this clause; and (e) The cost of satisfying all other obligations, commitments, and claims that Bidder may in good faith have undertaken with third parties in connection with the contract Work in progress. The term "work in progress" shall include but not limited to	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				the value of goods and services meant for delivery to the Purchaser (i) for which manufacturing process was initiated by Bidder; or (ii) order was placed by Bidder on its vendors, prior to the date of termination.	

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 2 4	4	4.42.6	Limitation of Liability	Bidder's aggregate liability arising out of or in connection with the contract, whether based on contract, tort, statutory warranty or otherwise, shall be limited to an aggregate of most recent 12 months of the charges collected by the bidder under the affected order. The Bidder shall not be liable for any special, indirect, incidental or consequential damages of any kind including but not limited to loss of use, data, profit, income, business, anticipated savings, reputation, and more generally, any loss of an economic or financial nature, whether these may be deemed as consequential or arising directly and naturally from the incident giving rise to the claim.	No change. The provision shall remain as per the RFP.
5 2 5	4	4.61	Set off	Please revise the provision as under: Any sum of money due and payable to the supplier (including security deposit refundable to him) under this contract may be appropriated by the purchaser or BSNL or any other person(s) contracting through BSNL and set off the same against any claim of the Purchaser or BSNL or such other person or person(s) for payment of a sum of money arising out of this contract only.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 2 6	4	4.62	Fall Clause	Since price quoted by individual bidders for such huge projects are dependent on many variables, we presume this clause is intended for small scale annual rate contract and not applicable for this turnkey tender. You are requested to please delete this clause as the terms and conditions, project management criteria shall be different from the other contract, the reduction in rate as per this clause referring to any other contract shall not be appropriate and logical.	No change. The provision shall remain as per the RFP.
5 2 7	4	4.74	Risk Purchase	The condition that GFGNL reserves the right to remedied the defects at the risk and cost of the defaulting vendor actually puts the vendor in UNLIMITED/UNCAPPED RISK which is unreasonable, more due to the fact that there are multiple penalties already applicable. Hence, this paragraph may be accordingly amended to incorporate cap of 10% on the risk cost.	Not Relevant to Risk Purchase Clause.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 2 8	4	4.75	DELAYS IN THE CONTRACTOR'S PERFORMANCE	The condition "The cancellation/short closing of order shall be at the risk and responsibility of the supplier and purchaser reserves the right to purchase balance unsupplied item at the risk and cost of the defaulting vendors" puts the vendor in UNLIMITED/UNCAPPED RISK which is unreasonable, more due to the fact that there are multiple penalties already applicable (refer clause 4.75.2 reproduced in next column). Hence, this paragraph may be deleted. Justification: 4.75.2 Delay by the Bidder in the performance of its delivery obligations shall render the Bidder liable to any or all of the following sanctions: (a) forfeiture of its performance security,(b) imposition of liquidated damages and/or (c) Short closure of the contract in part of full and/or termination of the contract for default. These provisions are severe enough. All risk and expense provision appearing in different provisions of the RFP should be deleted considering the above rationale.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 2 9	4	4.76	Incidental Damages	The indemnity claimed by BSNL is very broad and hence Bidder suggests the following for mutual acceptance "Each party shall indemnify the other from and against any claims by third parties (including any governmental authority and expenses (excluding legal fees and court costs) arising from damage to tangible property, personal injury or death caused by such party's negligence or wilful misconduct". BSNL post passing of award make this provision negotiable for the selected bidder is another option for mutual closure.	No change. The provision shall remain as per the RFP.
5 3 0	SECTION -5 SCOPE OF WORK	5.6 FIBERIZATION AND DESIGN PRINCIPLES	e) The physical fibre routes connecting GPs and Sub-blocks shall be designed to ensure ring topology resilience. – Where routing on different roads is not feasible, the primary and secondary cables may be laid on opposite sides of the same road as an acceptable alternative by submission of proper justification.	We understand where different road is not feasible, in that case two no. of HDPE Duct to be laid in the same trench with OFC cable in each duct to achieve ring topology resilience ? Kindly confirm .	Please refer Clause 5.6 FIBERIZATION AND DESIGN PRINCIPLES carefully

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 3 1	SECTION -5 SCOPE OF WORK	5.6 FIBERIZATION AND DESIGN PRINCIPLES	12.PIA has to ensure dual home /Ring Criteria as per below: a) The number of GPs in a GP ring shall normally be around Six (6) to Seven (7) connected sequentially over maximum 02 cores of fibers in such a way that dual fiber cut in GP ring/ GP infrastructure outage shall impact to those ring GPs only, hence long distance GP ring shall be avoided. In case, more than 7 (seven) GPs are necessitated to be connected in a ring as per survey, the same shall be implemented after justification and recommendation by the I.E. and approval by GFGNL. b) The number of GPs in a child GP ring shall be maximum five (5). The PIA can also plan child rings (as per HLD diagram shown in the tender) in case the creation of GP ring from sub-block is not feasible due to distance from block or any other reason. The PIA shall conduct a detailed survey and prepare the report in consultation with IE for each case and submit it to GFGNL for approval of such Child Rings. However, the overall scope for GP counts in one ring if includes child GP/s, number of total nodes in the GP ring should not be more than 10.	We understand that in that case total max to max 10 no.of GPs to be connected in ring including main GPs ring and it's respective Child GP Ring , Kindly confirm.	Pls refer clause 5.6.2 (b)

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 3 2	SECTION -5 SCOPE OF WORK	5.6 FIBERIZATION AND DESIGN PRINCIPLES	12.PIA has to ensure dual home /Ring Criteria as per below: a) The number of GPs in a GP ring shall normally be around Six (6) to Seven (7) connected sequentially over maximum 02 cores of fibers in such a way that dual fiber cut in GP ring/ GP infrastructure outage shall impact to those ring GPs only, hence long distance GP ring shall be avoided. In case, more than 7 (seven) GPs are necessitated to be connected in a ring as per survey, the same shall be implemented after justification and recommendation by the I.E. and approval by GFGNL. b) The number of GPs in a child GP ring shall be maximum five (5). The PIA can also plan child rings (as per HLD diagram shown in the tender) in case the creation of GP ring from sub-block is not feasible due to distance from block or any other reason. The PIA shall conduct a detailed survey and prepare the report in consultation with IE for each case and submit it to GFGNL for approval of such Child Rings. However, the overall scope for GP counts in one ring if includes child GP/s, number of total nodes in the GP ring should not be more than 10.	Kindly guide that Child Ring will also be connected in Dual Homing from the nearest GP locations , Kindly confirm.	Pls refer clause 5.6.2 (b)

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 3 3	SECTION -5 SCOPE OF WORK	5.6 FIBERIZATION AND DESIGN PRINCIPLES	h) In cases where a Gram Panchayat (GP) has only a single connectivity and the distance from the existing physically separated access/distribution fibre route- tapping point- is less than 1000 meters away, For those GP construction of a 2nd path for ring shall not be required. For such GPs, ring connectivity shall be established through a folded path configuration in consultation with IE/GFGNL. ,i.e., a folded path means IN & OUT on the same route-Physically linear and logically in ring connectivity.In case, the distance is more than 1000 mtr, then alternative technology like FSO or on Aerial linear OFC with RCC Pole may be applied for ring. This limit of use of alternative technology or aerial linear is over and above the permissible limit providing suitable justification for single road or geographical challenge to GFGNL and it will not counted for the purpose of calculation to control the upper cap.	In line with Fibre route- tapping point- is less than 1000 meters away; we understand that a folded path means IN & OUT on the same route with same cable . Kindly confirm.	Bidder's understanding is correct

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 3 4	SECTION -5 SCOPE OF WORK	5.6 FIBERIZATION AND DESIGN PRINCIPLES	18. The project implementation shall follow underground (UG) optical fibre cable (OFC). Primarily, the PIA will plan for OFC construction through underground laying. However, where underground laying is not feasible, the preferred alternative will be the laying of ADSS (All-dielectric Self-Supporting) OFC, preferably utilizing existing electricity infrastructure, subject to approval by the local distribution company (DISCOM) in rural area. If existing infrastructure cannot be utilized, new pole infrastructure will be installed to support ADSS OFC laying. Wherever the existing electricity poles are not available; the PIA shall erect a 7 Meter RCC pole. The PIA shall have to replace such poles damaged for any reason whatsoever during the contract period without any additional cost to GFGNL.	We understand that RoW (Right Of Way) for uses of existing poles of local distribution company (DISCOM) to be free of cost for laying of ADSS OFC cable, only liasioning to be done with DISCOM by bidder behalf of GFGNL	Please refer Clause 5.22 RIGHT OF WAY
5 3 5	SECTION -5 SCOPE OF WORK	5.6 FIBERIZATION AND DESIGN PRINCIPLES	Category-2: Aggregation Layer (Sub-Block to Master-Block/Sub- Block), • The Routers and RFMS at Sub-block along with configuration, cards and SFPs shall be made over by the PIA.	RFMS are going to be installed at each new Sub-Block and new Block Location ? Or only at new Sub-Block location ? Kindly confirm	Primarily RFMS are going to be installed at each Sub-Block and as per requirement tenderer may ask for addition of RFMS into network

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 3 6	SECTION -5 SCOPE OF WORK	5.6 FIBERIZATION AND DESIGN PRINCIPLES	Category-3: Express/Core Layer / Master block to SDC • The Routers and RFMS at Master-block(Co-located at Sub-Block), along with configuration, cards and SFPs for aggregation of sub-block network, for internet breakout at district level shall be made over by the PIA.	RFMS are going to be installed at each new Master-Block if any ? Kindly confirm	Primarily RFMS are going to be installed at each Sub-Block and as per requirement tenderer may ask for addition of RFMS into network
5 3 7	SECTION -5 SCOPE OF WORK	5.8 NETWORK DESIGN	i) The PIA may plan child rings only in case of the creation of GP ring directly from sub-block is not feasible due to distance from sub-block or any other justified reason. The PIA shall conduct a detailed survey and prepare the report for each case and submit it to GFGNL/IE for approval of such Child Rings. Child GP ring is to be parented to one or two feasible GP router. The number of GPs in a child GP ring shall be maximum five (5). However, the overall scope for GP counts in one ring if includes child GP/s, number of total nodes in the GP ring should not be more than 10.	"Child GP ring is to be parented to one or two feasible GP router." Means we can connect the Child GP ring with two feasible GP router connected to two different Sub-Block / Master Block Ring ? Kindly guide and confirm.	Child GP ring with preferably parenting on two different feasible GP routers connected to two different Sub-Block / Master Block Rings with out any deviating Clause 5.6 FIBERIZATION AND DESIGN PRINCIPLES. Further, Any Child GP Ring parented to one feasible GP Router will also be consider based on O&M and geographical / field constraints.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 3 8	SECTION -5 SCOPE OF WORK	5.12 SCOPE OF WORK FOR BSNL EXCHANGE / SHELTER	b) Inhousing Sub-block equipments at BSNL Exchange/ Developing new Shelters: The BharatNet Amendment Program intends to merge and upgrade both Phase-I and Phase-II of the BharatNet Program (covering approximately 14,737 GPs across 34 districts of Gujarat), as well as expanding it to connect the remaining Gram Panchayats (GPs) and villages. The foremost priority of in-housing sub-block equipments shall be in BSNL existing exchange, however, the location should be define at the time of initial survey and based on recommendation of IE and GFGNL field officer for better governance, GFGNL may approve the requirement to built the new shelter or inhousing equipments at BSNL Exchange.	We understand that thses new shelter or inhousing equipments at BSNL Exchange; new space to be provide by GFGNL at BSNL premises and its rent cost also to be paid by GFGNL . Kindly confirm.	Space at BSNL exchange or for new shelter shall be provided by GFGNL. Rent shall also be in scope of GFGNL.
5 3 9	SECTION -5 SCOPE OF WORK	5.12 SCOPE OF WORK FOR BSNL EXCHANGE / SHELTER	V. Existing Shelter Infrastructure / Government PoP need to consider for Upgradation details are as follows, The existing shelters of Phase-II are in numbers and distributions are given as under: Sr.1 . Shelter Qty ~410 Nos.	Kindly include this Existing Shelter Infrastructure / Government PoP upgradation in Price Bid Financial bid line items sheet along with the quantity of ~410 Nos.	Please refer Clause 8.3 FINANCIAL BID DETAILS, Existing shelter infrastructure/ Government PoP upgradation items are already covered in Financial Bid.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 4 0	SECTION -5 SCOPE OF WORK	5.12 SCOPE OF WORK FOR BSNL EXCHANGE / SHELTER	5.13 ALTERNATE TECHNOLOGY IMPLEMENTATION I. Where neither Underground Fiber nor ADSS cable laying is feasible due to technical or site constraints, keeping overall limitation mentioned in this RFP document for alternate technology, the PIA shall submit a detailed justification to the Independent Engineer (IE) and GFGNL. The IE shall review the submission, verify constraints, and provide a speaking recommendation to GFGNL. Based on IE's recommendation, GFGNL may approve the use of alternate technology, ensuring compliance with performance and SLA requirements. Implementation shall be at no additional cost to GFGNL.	In Price Bid Financial bid items, Sr. 27 and 28 is unit line items cost has been asked with respect to Alternate Technology, so based on detailed justification to the Independent Engineer (IE) and GFGNL, these alternate technology will be implemented based on the no. of approved quantity by IE/GFGNL based on actual survey and justification provided by PIA. Kindly confirm this thought.	Pls read modified clause as "Where neither Underground Fiber nor ADSS cable laying is feasible due to technical or site constraints, keeping overall limitation mentioned in this RFP document for alternate technology, the PIA shall submit a detailed justification to the Independent Engineer (IE) and GFGNL. "

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 4 1	SECTION -5 SCOPE OF WORK	5.6 FIBERIZATION AND DESIGN PRINCIPLES	18. The project implementation shall follow underground (UG) optical fibre cable (OFC). Primarily, the PIA will plan for OFC construction through underground laying. However, where underground laying is not feasible, the preferred alternative will be the laying of ADSS (All-dielectric Self-Supporting) OFC, preferably utilizing existing electricity infrastructure , subject to approval by the local distribution company (DISCOM) in rural area. If existing infrastructure cannot be utilized, new pole infrastructure will be installed to support ADSS OFC laying. Wherever the existing electricity poles are not available; the PIA shall erect a 7 Meter RCC pole. The PIA shall have to replace such poles damaged for any reason whatsoever during the contract period without any additional cost to GFGNL.	Where UG OFC not possible and preferred alternative connectivity using ADSS cable to be carried out for GP to GP Connectivity , what kind of Aerial Accessorise and Fixture to be used viz. Helix Type -I , Helix Type-II or Wedge Type -III as per TESEC. Kindly guide.	Pls refer RFP clause - Annexure-D >> 3.6.4 note
5 4 2	SECTION -5 SCOPE OF WORK	5.18 LAST MILE CONNECTIVIT Y TO THE VILLAGES (Revenue Village Connectivity)	5.18 LAST MILE CONNECTIVITY TO THE VILLAGES (Revenue Village Connectivity) a) Village connectivity beyond Gram Panchayats (GPs) shall be provided on demand for revenue villages through aerial linear OFC connectivity from the respective GP . For the purpose of this clause, “on demand” shall mean those villages where a minimum demand of five (5) home fiber connections has been registered on the BNU portal or as per the information provided by the State.	We understand that revenue Village connectivity to be done on 6F Aerial drop OFC (As per 8.3 FINANCIAL BID DETAILS Sr. 17) from Gram Panchayat (GP) to village on existing / new pole where ever not availale , In that case kindly guide what kind of Aerial Accessorise and Fixture to be used viz. Helix Type -I , Helix Type-II or Wedge Type -III as per TESEC. Kindly guide.	Pls refer RFP clause - Annexure-D >> 3.6.4 note

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 4 3	SECTION -8 FINANCIAL BID	8.3 FINANCIAL BID DETAILS	1c. Supply of 24F ADSS OFC and Accessories including all the services (using existing power Poles) RKM =154 1d. Supply of 24F ADSS OFC and Accessories including all the services (including supply of Poles) RKM=616	In Supply of 24 ADSS OFC and Accessories including all the services , Kindly confirm what kind of Aerial Accessorise and Fixture to be used viz. Helix Type -I , Helix Type-II or Wedge Type -III as per TESEC. Kindly guide.	Pls refer RFP clause - Annexure-D >> 3.6.4 note
5 4 4	SECTION -8 FINANCIAL BID	8.3 FINANCIAL BID DETAILS	17. Supply of 6F Aerial drop OFC including services for last mile connectivity as per TEC GR Km= 8200 18. Supply, installation including services of RCC Poles – 7/8 meter working load of 115 Kgs for last mile connectivity Nos. 205000	We understand that , Line Item <i>Sr. 18 Supply and Installation including services of RCC Poles -7/8 meter</i> (under 8.3 FINANCIAL BID DETAILS) is very specific to Revenue Village Connectivity using 6F Aerial Drop OFC . Kindly confirm	Understanding is correct
5 4 5	SECTION -5 SCOPE OF WORK	New Phase-III Equipments:-- Pg 239	New Phase-III Equipments: AMC Governance and Contractual Obligations : as per the warranty clause and details mentioned in the MAF. j) PIA has to ensure to include all types of security measures to ensure the network's integrity and data privacy, such as: - Firewall configuration and management - NDR(Network Detection and Response) Solution - Access control and authentication - Encryption and decryption The Protocol and security compliance related to the supplied product has to be ensure by the Bidder and OEM as specified DoT/TRAI/GoG/CERT/etc. Thus, offered product	"Since the BOQ excludes security components apart from AAA, please confirm if the firewall and NDR configurations will leverage existing infrastructure or if the end customer will supply these components."	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
			/solution must adhere to security norms, prevailing security practices and it should not limit functionality of security activations.		
5 4 6	SECTION -4 INSTRUC TIONS TO BIDDRE R	4.46, Page No- 88	The PIA's office shall be equipped with the following facilities within 7 days from the issue of Work Order: (i). Land line / Mobile, (ii). E-mail facility with PC The PIA should have at-least one office in each Business Area of GFGNL and one nodal person in each district with above facilities. It may have more than one office in a district as per the operational need.	The timeline for office readiness should be atleast 1 month	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Maste r RFP for the updated provision
5 4 7	SECTION -7 SLA and PENALIT Y	7.3 (b) LD	at the rate of 0.7% of the value of the incomplete GPs as per milestone for each week of delay or part thereof for another 10 (TEN) weeks of delay. (LD is capped at 12% of package cost).	The cap on liquidated damages (LD) shall not exceed 10%	Pl see preceding Response in Query Sr. Nu. 380
5 4 8	SECTION -6 PROJECT TIMELIN E	6.3 (ii)	Project Completion shall include complete integration of all equipment with EMS/ S-NOC & C-NOC along with updation of all the necessary documents (Licenses/ Manuals/ OEM agreements and support, Commissioning memo's & AT reports, operations/ maintenance & safety instructions etc.) and of all the assets in C-NOC after installation and commissioning of all the rings & S-NOC with minimum 99% of the total numbers of GPs in the project as envisaged in the tender.	The PIA will not be held accountable, and no liquidated damages (LD) shall be levied, in the event of CNOC's non-readiness.	Any delays or non-compliance arising due to reasons not attributable to the PIA (such as non-readiness of C-NOC or other external dependencies) shall be dealt with as per relevant RFP provisions, including SLA

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					exclusions and Force Majeure, wherever applicable by submission of valid documentary proof. However, the PIA shall remain responsible for completion, integration, and overall deliverables which required to be delivered for end to end integration with CNOC.
5 4 9	SECTION -5 SCOPE OF WORK	6	PIA shall submit details such as APIs', protocols, version, attributes etc. to GFGNL. Once, the information has been shared at detailed level, both PIA and GFGNL shall complete integration of NOC within 90 days from agreement signed date.	The timeline for SNOC readiness should be 6 months	Please refer the updated clause in corrigendum

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
550	SECTION -6 PROJECT TIMELIN E	6.1	Mobilization & Initial Readiness (T + 1 Week)	For all mapower onboarding we should have 4 weeks time	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision
551	6	6.5	O&M Payment It is mentioned that 50% of payment will be within 45 days of raising invoice & remaining 50% to be paid after 90 days of invoice after audit and verification	Its is requested to increase the initial payment of 50% to 90% so the working capital will not be blocked for a quarter and also the audit timeline to be reduced to 30 days for releasing the further remaining payment	No change. The provision shall remain as per the RFP.
552	6	6.4	Payment schedule of project Upon receiving the invoices after completion of works as under from the PIA, duly ertified by the Independent Engineer, GFGNL shall disburse, within 45 (forty five) days of the receipt of each such invoice	It is requested to reduce the payment disbursal period within 30 days of raising invoice	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
553	6	6.4	The 10% payment of all the electronic items namely- Router at GP,Mini-OLT,FSO(if applicable) at GP, Router at Block, all the equipment at State NOC, RFMS, the Racks, UPS/Power Plant, Battery, as specified at Price Schedule in the table of pre-defined rates, shall be made on completion of warranty of one year for these equipment	It is requested to remove the clause of releasing 10% of electronic item payment after 1 year of warranty as 5% of Performance bank guarantee is required at project phase, and O&M Phases	No change. The provision shall remain as per the RFP.
554	7	7.10.2.9	PROCESS TO MEASURE THE SLA AND PENALTY The quarterly operational penalty shall be capped at 20% of the actual valid invoice value for the respective quarter for the clauses mentioned above	It is requested to reduce the penalty cap limit to 10%	Pl see preceding Response in Query Sr. Nu. 380
555	6	6.1	SNOC COMPONENTS DELIVERY TIMELINES Max penalty cap of 20% of NOC total Capex Value as per Fin.bid line item 22 to 25 .	It is requested to reduce the penalty cap limit to 10%	No change. The provision shall remain as per the RFP.
556	SECTION -4 INSTRUCTIONS TO BIDDER	4.46, Page No-88	The PIA's office shall be equipped with the following facilities within 7 days from the issue of Work Order: (i). Land line / Mobile, (ii). E-mail facility with PC The PIA should have at-least one office in each Business Area of GFGNL and one nodal person in each district with above facilities. It may have more than one office in a district as per the operational need.	The timeline for office readiness should be atleast 1 month	Pl see preceding Response in Query Sr. Nu. 546
557	SECTION -7 SLA and PENALTY	7.3 (b) LD	at the rate of 0.7% of the value of the incomplete GPs as per milestone for each week of delay or part thereof for another 10 (TEN) weeks of delay. (LD is capped at 12% of package cost).	The cap on liquidated damages (LD) shall not exceed 10%	Pl see preceding Response in Query Sr. Nu. 380

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 5 8	SECTION -6 PROJECT TIMELIN E	6.3 (ii)	Project Completion shall include complete integration of all equipment with EMS/ S-NOC & C-NOC along with updation of all the necessary documents (Licenses/ Manuals/ OEM agreements and support, Commissioning memo's & AT reports, operations/ maintenance & safety instructions etc.) and of all the assets in C-NOC after installation and commissioning of all the rings & S-NOC with minimum 99% of the total numbers of GPs in the project as envisaged in the tender.	The PIA will not be held accountable, and no liquidated damages (LD) shall be levied, in the event of CNOC's non-readiness.	PI see preceeding response mentioned in query sr. 548
5 5 9	SECTION -5 SCOPE OF WORK	6	PIA shall submit details such as APIs', protocols, version, attributes etc. to GFGNL. Once, the information has been shared at detailed level, both PIA and GFGNL shall complete integration of NOC within 90 days from agreement signed date.	The timeline for SNOC readiness should be 6 months	Please refer the updated clause in corrigendum
5 6 0	SECTION -6 PROJECT TIMELIN E	6.1	Mobilization & Initial Readiness (T + 1 Week)	For all mapower onboarding we should have 4 weeks time	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Maste r RFP for the updated provision
5 6 1	Section 3 (Eligibilit y Criteria)	3.1 (Notes 2, Page 46)	In the event an approved primary OEM fails to deliver due to global supply chain constraints, the RFP dictates a ₹ 10 Lakh demand draft penalty and percentage deductions to switch to a secondary MAF.	Can this penalty be waived if we present documented proof of OEM insolvency or Force Majeure affecting raw material sourcing?	For the unitformality in the network and better operation of criticality of ABP Network, no change in the clause, The

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					provision shall remain as per the RFP.
5 6 2	Section 5 (Scope of Work)	5.3	Making Over the Network to PIA, the equipments being taken over from phase 1 and phase 2.	For the active Phase-II equipment being taken over (e.g., existing OLTs, GPON electronics), will GFGNL provide a verified warranty ledger? If the existing equipment requires replacement parts that are "End-of-Life" (EOL), will the procurement of new, upgraded IP-MPLS equivalents be treated as a fresh Capex order, or is the PIA expected to absorb this under the baseline O&M OPEX?	No change. The provision shall remain as per the RFP.
5 6 3	SECTION -3 ELIGIBILITY CRITERIA	3.1	Ongoing Projects	Request to please consider only ABP exiting project which is similar in nature can be considered as ongoing project. Please confirm.	No change. The provision shall remain as per the RFP.
5 6 4	SECTION -4 INSTRUCTIONS TO BIDDERS	4.38	Performance Guarantee	Request Performance Security be reduced proportionately upon completion of implementation milestones.	No change. The provision shall remain as per the RFP.
5 6 5	SECTION -4 INSTRUCTIONS TO BIDDERS	4.41	Termination	Kindly clarify compensation mechanism for material procured and work executed in case of termination for convenience.	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 6 6	SECTION -4 INSTRUC TIONS TO BIDDERS	4.58	Liquidated Damages	Request cumulative LD be capped at 10% of Contract Value.	PI see preceding Response in Query Sr. Nu. 166
5 6 7	5.3 MAKING OVER THE NETWO RK TO PIA BY GFGNL	5.3	Existing Network Handover	Kindly provide district-wise GIS KML or shape file inventory of Phase-I and Phase-II assets proposed for takeover.	Bidder may get the GIS access after signing the NDA
5 6 8	5.3 MAKING OVER THE NETWO RK TO PIA BY GFGNL	5.3	Existing Network Handover	Kindly provide route-wise GIS/KML data of existing OFC network.	Bidder may get the GIS access after signing the NDA
5 6 9	5.3 MAKING OVER THE NETWO RK TO PIA BY GFGNL	5.3	Existing Network Handover	Kindly provide fiber health report and OTDR reports of existing network.	Bidder may get the GIS access after signing the NDA

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
570	5.3 MAKING OVER THE NETWO RK TO PIA BY GFGNL	5.3	Existing Asset Takeover	Kindly clarify liability for defects existing before takeover.	It is bidders responsibility to take the handover of assets as is where is basis within the timeline mentioned in RFP as a part of O&M activity.
571	5.3 MAKING OVER THE NETWO RK TO PIA BY GFGNL	5.3	Existing Asset Takeover	Request joint inventory and condition audit before handover.	It is bidders responsibility to take the handover of assets as is where is basis within the timeline mentioned in RFP as a part of O&M activity.
572	5.3 MAKING OVER THE NETWO RK TO PIA BY GFGNL	5.3	Existing Equipment	Kindly provide OLT, ONT, Router, EMS and NMS inventory details.	Please refer Annexures given with main RFP documents.
573	5.3 MAKING OVER THE NETWO RK TO	5.3	Existing Equipment	Kindly provide core wise fiber health status of all GP to GP Span.	The fibre health of the network is not static , and the details will be part of handover takeover process.However,

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
	PIA BY GFGNL				for more clarity bidder is advised to refer the clause- 5.23.3.2-a-VII for Phase-I and Phase-II network health.
5 7 4	5.3 MAKING OVER THE NETWO RK TO PIA BY GFGNL	5.4	Site Survey The PIA shall conduct an exhaustive video-based site and route survey based on an optimal/ shortest path to connect Gram Panchayat (GP) and Block/sub-block as defined under the scope of work for construction and upgradation of network	We understand that Videography needs to be done only for new OFC Route only. Existing route Videography not required. Please confirm.	Videography of existing route shall not be required for virtual monitoring from C-NOC however if PIA proactively do the videography of damaged, inaccessible portion of existing route with giotagging which leads to avoidance of field visit by IE, shall be helpful.
5 7 5	5.3 MAKING OVER THE NETWO RK TO PIA BY GFGNL	5.12	Shelter Infrastructure	Kindly provide shelter-wise existing infrastructure inventory.	Please refer XXX. Existing Shelter Infrastructure Details and given annexures with main RFP documents

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 7 6	5.3 MAKING OVER THE NETWO RK TO PIA BY GFGNL	5.12	Shelter Infrastructure	Kindly provide condition assessment report of existing shelters.	Bidder may visit the Shelter location in consent with GFGNL.
5 7 7	5.3 MAKING OVER THE NETWO RK TO PIA BY GFGNL	5.12	Shelter Infrastructure	We understand that electricity payments will be paid by GFGNL directly to the electricity department. Please confirm.	Electricity payments will be paid by GFGNL directly to electricity department.
5 7 8	5.3 MAKING OVER THE NETWO RK TO PIA BY GFGNL	5.12	Shelter Infrastructure	We understand that site acquisition and space rental will be paid by GFGNL directly. Please confirm.	Site acquisition and space rental if any shall be bourned by GFGNL. Bidder shall ensure the suitability and finalization of shelter locations (on alternate to BSNL exchange site) near by BSNL exchanges and requirements in accordance with the approved technical architecture, duly considering existing

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					shelters and the quantities defined under the scope of this RFP. This shall be carried out through joint on-field visits and concurrence with GFGNL and all stakeholders involve in this activities.
5 7 9	5.3 MAKING OVER THE NETWO RK TO PIA BY GFGNL	5.12	Shelter Infrastructure	Kindly clarify battery replacement responsibility during O&M period.	Please refer Clause xxvii) Takeover and Handover of Shelter
5 8 0	5.13 ALTERN ATE TECHNO LOGY IMPLEM ENTATI ON	5.13	Alternate Technology	Kindly clarify maximum percentage of network that may be implemented through alternate technology.	Please refer Clause 5.13 ALTERNATE TECHNOLOGY IMPLEMENTATION
5 8 1	SECTION -5 SCOPE OF WORK	5.15	S-NOC	Kindly provide detailed sizing of EMS/NMS/GIS systems and expected user count.	Pls refere clause 5.15.42, Sizing is to be provided by bidder however expected user count

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					mentioned NMS technical specification.
5 8 2	SECTION -5 SCOPE OF WORK	5.15	S-NOC	Kindly clarify whether existing EMS/NMS platform can be upgraded instead of replacement.	It is Entirely bidder's call. GFGNL is not restricting the bidders either to upgrade or procure new platforms.
5 8 3	SECTION -5 SCOPE OF WORK	5.15	S-NOC	Kindly provide existing S-NOC inventory and architecture details.	Pls refer IT and Non IT component list given in (clause 9.36) Annexure-XXXVI
5 8 4	SECTION -5 SCOPE OF WORK	5.18	Revenue Village Connectivity	Kindly provide district-wise forecast for village connectivity demand.	Please refer Clause 5.18 a)
5 8 5	SECTION -5 SCOPE OF WORK	5.19	Enterprise Connectivity	Kindly provide minimum committed quantity for enterprise connectivity.	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Master RFP for the updated provision
5 8 6	SECTION -5 SCOPE OF WORK	5.21	Acceptance Testing	Kindly share FAT/PAT/SAT templates for estimation and compliance purposes.	No change in RFP

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
587	SECTION -5 SCOPE OF WORK	5.21	Acceptance Testing	Kindly clarify acceptance certificate issuance timeline.	Bidder is advised to refer the GFGNL website for updates on IE RFP on clarification soughts.
588	SECTION -5 SCOPE OF WORK	5.21	Acceptance Testing	Kindly clarify deemed acceptance provision in case approval is delayed.	No change in RFP
589	SECTION -6 PROJECT TIMELIN ES	6.1	Delivery Timeline	Kindly clarify whether delays caused by authorities shall qualify for timeline extension.	Pl see preceeding response mentioned in query sr. 548
590	SECTION -6 PROJECT TIMELIN ES	6.2	Project Timelines	Kindly clarify milestone-wise implementation timeline district-wise.	No change. The provision shall remain as per the RFP.
591	SECTION -6 PROJECT TIMELIN ES	6.4	Payment Schedule	Kindly clarify whether interest shall be payable on delayed payments beyond 60 days.	No change. The provision shall remain as per the RFP.
592	SECTION -7 SERVICE LEVEL AGREE MENT(S LA) &	7.10.2.7	MTTR Penalty	Kindly clarify MTTR measurement methodology.	Mean Time To Repair (MTTR) shall be monitored on the time taken between logging of complaint either manually and/or

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
	PENALT Y				automatically through RFMS/GIS/NMS for live Fibres to the closure. Further for Dark Fibres/external users, it shall be calculated between logging of complains through Helpdesk/E-mail etc. to its closure.

5 9 3	SECTION -7 SERVICE LEVEL AGREE MENT(S LA) & PENALT Y	7.10.2.11	Latency Penalty	Kindly clarify measurement tools and methodology for Latency measurement.	Latency Penalty stands deleted, however, Bidder is sole responsible to maintain standard industrial practices for services including latency.
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
5 9 4	SECTION -7 SERVICE LEVEL AGREE MENT(S LA) & PENALT Y	7.10.2.12	Packet Loss Penalty	Kindly clarify measurement methodology and reporting period.	As per Industrial standard practices, Packet loss shall be measured as the percentage of packets lost over total packets transmitted, using standard NMS/monitoring tools (SNMP/ICMP-based or equivalent) on an end-to-end link basis. Further, Measurement shall be carried out on a continuous basis, with SLA compliance evaluated on a monthly aggregate (average) basis. Any instance where packet loss exceeds 1% shall be treated as an incident, with detection time recorded from system logs/NMS. The selected bidder shall submit monthly reports

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					including link-wise statistics, incident logs, and RCA, supported by tool-generated evidence. Detailed measurement configuration, SOP and reporting format shall be finalized in consultation with the IE/GFGNL authroized agency.
5 9 5	SECTION -7 SERVICE LEVEL AGREE MENT(S LA) & PENALT Y	7.10.2.15	Fiber Health SLA	Kindly clarify testing frequency and measurement methodology.	Bidders are advised to carefully refer Clause 7.10.2.15, details already answered on clarification asked.
5 9 6	SECTION -7 SERVICE LEVEL AGREE MENT(S LA) & PENALT Y	7.10.2.15	Fiber Health SLA	Request to please share the spanwise existing fiber health and fiber joint status to ensure the fiber health.	It is the ongoing process and will be part of handover takeover process of the network.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
597	SECTION -8 FINANCIAL BID	8.4	GFGNL on behalf of DIGITAL BHARAT NIDHI(DBN), DoT will have the right to increase or decrease up to 25% of the overall quantity of works in the schedule of requirements, without any change in the unit price at the time of time of award of the contract or during the contract period	Request GFGNL to limit the variation in SoR quantities to $\pm 10\%$ of the specified quantities. Any variation beyond $\pm 10\%$ may be treated as a Change Request and compensated separately on mutually agreed terms.	No change. The provision shall remain as per the RFP.
598	SECTION -5 SCOPE OF WORK	5.23.4 NETWORK INVENTORY	j. Existing Transport/backhaul equipment at SDC must be 1:1 active and critical for the network, and hence sufficient spares should be available for entire contract duration.	As per our understanding, the existing Transport/Backhaul equipment deployed at the SDC is outside the scope of the PIA and shall continue to be owned, operated, maintained, and supported by GFGNL. Further, all spares, OEM support contracts, repairs, replacements, upgrades, and associated O&M activities for such existing Transport/Backhaul equipment shall be arranged by GFGNL at its own cost. Kindly confirm our understanding.	Please refer Clause 5.23.3.2 (Change Management) & 5.23.9
599	Section 5	Clause 5.21 (B)(ii) & (xxii)	AT Schedule, Documents & Recurring Changes The RFP states the fixed Acceptance Testing (AT) template should be submitted by the PIA in consultation with IE/GFGNL.	We request GFGNL that AT schedule be finalised and mentioned along with the RFP. Kindly confirm.	No change in RFP.
600	Section 5 & Section 4	Clause 5.21 (B)(xii) & Clause 4.77 (n)	Acceptance Testing (AT) Sampling and TSEC Exemption Clause 5.21 (B)(xii) states that "Sample sites and its routes to be checked shall be decided by the IE". Clause 4.77 (n) states "The TSEC and field trial shall not absolve the PIA for offering the individual equipment for acceptance testing after installation".	We request GFGNL that physical on-field Acceptance Testing (AT) shall be limited to 10% sample of the network as provisioned under current Amended BharatNet Porject.	No change in RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
601	Section 6	Clause 6.1 (T+10 Weeks & T+12 Weeks)	S-NOC Payment Milestone - De-linking from GP Visibility The "Pre-Final Readiness" (T+10 Weeks) and "Final Acceptance & Go-Live" (T+12 Weeks) milestones mandate "10% of GP End-to-end visibility" and "integration of 10% GPs" for releasing the respective S-NOC CAPEX payments.	It is requested that the inetgration of GPs shall be delinked from S-NOC milestone as they have simultaneous timelines of execution and will bear cascading impact of one's delay on other leading to very high cascading penalties.	SNOC covers core component of the network , any delay in the SNOC deliverables shall not impact on project.The bidder has to plan the execution in parallel for both field and SNOC to avoid delay penalty. For better flexibility and convenience on avoiding impact, SNOC timeline is revised .
602	Section 6	Clause 6.5 (III)	O&M Payment "The O&M Phase of GP in a block will start once the electronics at GP is commissioned and the GP is discovered in NMS... The O&M of all such GPs shall be provided proportionately till the Project Go-Live date".	Please clarify if the O&M payments for existing Phase-I and Phase-II networks will commence immediately upon successful handover, regardless of the overall IP-MPLS migration status of that specific block.	PI see preceeding response mentioned in query sr. 182
603	Section 7	Clause 7.10.2.18	Exclusions on SLA The RFP outlines exclusions for SLA such as inaccessible staff, GFGNL/Govt switch-offs, pending ROW, and power failures,.	It is requested that the delays due to external third-party damages (e.g., road widening), pending ROW approval in the existing network, inaccessibility due to custodian issues etc shall also form part of exclusion. Kindly confirm.	Bidders are advised to refer Clause 7.10.2.18 (Exclusion) and Clause 4.25 (Force Majeure Events) of the RFP. Delays arising due to events beyond the control of the PIA,

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					shall be governed as per the provisions specified in the aforesaid clauses. Accordingly, exclusion of such delays shall be considered subject to submission of valid supporting documents and approval by GFGNL, as per contractual terms.
6 0 4	Section 5	Clause 5.3.3 & 5.12	Existing Network - Custodian & Access Issues "The security and safeguarding of all existing as well as newly installed assets shall remain within the scope of the selected PIA",.	During the handover of existing networks, if physical access to BSNL exchanges or State GPs/PoPs is delayed or restricted by existing authorities, the PIA shall be exempted from MTTR penalties. Kindly confirm.	No change in RFP.
6 0 5	Section 5	Clause 5.23.8 (VIII), Clause 5.22 (o), & Clause 5.23.1.1 (b)	Existing OFC Replacement Policy & Handover Challenges The RFP states the PIA must rectify up to 300 meters of cable due to road widening/external damages at no additional cost. It also mentions provisions for taking over temporarily restored/damaged sections.	Kindly confirm on the following: 1. The present ABP tender provisions for 200 mtrs, therefore we request you to kindly amend the PIA's responsibility to 200 mtrs instead of 300 mtrs in line with current ABP tender. 2. Also, any RoW permission charges associated with the replacement work shall be reimbursed to PIA on submisison of documentary proof.	No change in RFP. Please refer Clause 5.22 RIGHT OF WAY

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
606	Section 5	Clause 5.23.1.1 (b) (VI) & Clause 5.3.5 (a)	Existing OFC Network - Payment for Replacement/Permanent Restoration of Compromised Sections The RFP states that damaged or temporarily restored sections must be mentioned in the HOTO memo and their permanent restoration will be paid as per Annexure-F rates.	It is requested that any replacement of existing network for making it operational shall not be governed under O&M and shall form part of execution works. PIA shall be paid for the same as per rates mentioned permanent restoration charges as during the handover of existing networks, we may encounter severely compromised scenarios such as: damaged sections, routes trapped under roads/private land, temporary aerial restorations, non-traceable fibers, or unavailable L-14/KMZ files. Kindly confirm.	No change. The provision shall remain as per the RFP.
607	Section 4 & 5	Clause 4.72 & 5.23.3.2	CCN Format, Deviations & Approval Process Clarity The RFP requires PIA to manage change requests and network topology deviations,,.	Please provide standard templates for Change Control Notes (CCN) and Deviation Documents. Furthermore, we request GFGNL to define a strict SLA (e.g., 7-10 days) for IE/GFGNL to approve these documents so project timelines are not impacted.	It shall be defined at SOP level after onboarding of PIA in consultation with IE.
608	Section 6	Clause 6.4 (g & h)	75% Payment - IP Ping vs. AT & 45-Day Timeline Clause 6.4 (g) states GFGNL shall disburse payments within 45 days of invoice receipt. Clause 6.4 (h) Milestones 1a & 1b release 75% payment upon equipment commissioning "(visible in S NoC or validated through C-NOC by IP ping)".	Please explicitly confirm that the 75% equipment CAPEX payment is strictly linked to the "IP Ping" visibility of the GP and Sub-Block/Master-Block routers at the NOC, and that this payment will be disbursed within 45 days of invoice submission without being withheld or delayed pending the formal physical End-to-End Acceptance Testing (AT) sign-offs. Kindly Confirm	75% CAPEX payment shall be linked to the commissioning milestone (S-NOC visibility or C-NOC IP ping), subject to submission of complete documents, verification, and certification by

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					IE/designated authority. Payment timelines shall be as per Clause 6.4(g) and are subject to overall contractual compliance and validation.
6 0 9	Section 5	Clause 5.3.1 (c) & Clause 5.3.5 (a)	Existing Network Handover Condition (-8 to -25 dBm) & As-Built Docs The RFP states the network is to be handed over in "good condition" (-8 dBm to -25 dBm) and that complete L-14, HLD, and LLD diagrams are to be signed by BSNL/GFGNL and the PIA.	1. If the existing network authority fails to provide the network within the mandated -8 to -25 dBm range, or fails to provide accurate L-14/KMZ files, will the formal handover of those specific sections/GPs be officially deferred without any delay or SLA penalties being levied against the new PIA? 2. Please confirm that if the network is handed over outside of this permissible optical power range or is untraceable due to missing documents, the fresh replacement/permanent restoration of that section will be promptly granted and compensated.	Pls refer Clause no 5.23.1.1 (b)
6 1 0	Section 5	Clause 5.12 (xvi) & Clause 5.19.2 (I)	Electricity Connection Coordination and Billing at GP Clause 5.12 (xvi) states that the "PIA shall be responsible to coordinate and integrate electricity connection through Discoms at GP". However, Clause 5.19.2 (I) contradicts this by stating, "Coordination with the concerned electricity departments for release of connections shall be within the scope of GFGNL".	There is an apparent contradiction regarding whose scope it is to apply for and coordinate new electricity connections at the GPs. Please clarify whether the PIA or GFGNL is primarily responsible for obtaining new electrical connections from the DISCOMs. Additionally, while the RFP states GFGNL will pay one-time and recurring	PIA shall coordinate with DISCOMs for getting electricity connection with a scope not limited to feasibility, applications, documentation. All required charges

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				centralized bills, please confirm if any upfront deposits are required to be made by the PIA.	(One time deposite/charges and recurring charges) shall be born by GFGNL/state.
6 1 1	Section v (Fact Sheet) & Section 4	Fact Sheet Point 12 & Clause 4.9	Bid Security/ Earnest Money Deposit (EMD) The fact sheet mentions "EMD should be in the form of BG",. However, the RFP also provides "Format VII (ISB – Insurance surety bond for bid security)".	Please clarify if bidders are permitted to submit the Rs. 50 Crore EMD in the form of an Insurance Surety Bond as per Format VII, in lieu of a Bank Guarantee.	Refer the response in Query Sr. No. 81
6 1 2	Section 4	Clause 4.38 (iv) (c)	Performance Bank Guarantee (PBG) "3rd Bank Guarantee-O&M Phase: The PIA... shall furnish a Bank Guarantee equal to 5% of the OPEX value of the entire O&M Phase III project period, valid up to 180 days beyond the expiry of contract."	Blocking a Bank Guarantee for the entire 10-year OPEX value upfront puts a massive strain on working capital limits. Will GFGNL allow the PBG for the O&M phase to be submitted on a year-on-year basis, or proportional to the remaining contract duration?	No change. The provision shall remain as per the RFP. Also refer the RFP Clause-4.38 ,i.e., The PBG submitted after award of contract shall be released only after new PBG for the O&M period is submitted and accepted by buyer after due verification

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
6 1 3	Section 6	Clause 6.4 (a & b)	Payment Schedule of Project / Mobilization Advance "GFGNL... shall make an advance payment... upto 10% (ten percent) of the capex value... The PIA shall submit an additional Bank Guarantee of 110% of the Mobilization Advance".	Will the 110% Bank Guarantee submitted against the Mobilization Advance be proportionately reduced/released as the advance is recovered in equal quarterly installments from the running invoices. Kindly confirm	Clause is self Explimentary, No change. The provision shall remain as per the RFP.
6 1 4	Section 5	Clause 5.18 (c)(ix & xvi)	Last Mile Connectivity to Villages (Revenue Village Connectivity) "The entire quoted/ finalized price of Last Mile Connectivity is split in the ratio of 68:32 against CAPEX: OPEX charges... The PIA shall also be liable to maintain the above arrangement till the completion of the entire contract period.",	Since Revenue Village connectivity is strictly "on demand", please clarify if the OPEX duration (32 quarters) will commence from the specific date the individual village is commissioned, or if it aligns with the overall GP O&M schedule. Kindly confirm	Please refer Clause 5.18 Last Mile Connectivity to Villages (Revenue Village Connectivity) c) xii
6 1 5	Section 7	Clause 7.10.2.9	Dark Fibre Penalty Clause "Any penalty imposed by the customer of dark fibre shall be passed on to the PIA on a back-to-back basis... Only the highest applicable penalty among all such affected customers for that OFC section shall be imposed on the PIA".	Since third-party Service Level Agreements (SLAs) can vary, is there a maximum financial cap on these back-to-back penalties? An unbounded penalty passed from external customers poses an unquantifiable financial risk to the PIA.	For the Dark Fibre Penalty calculations, penalty will be over and above cap limit.
6 1 6	Section 6	Clause 6.4, Note (iv)	Payment Schedule / 10% Retention on Electronic Items "The 10% payment of all the electronic items namely- Router at GP, Mini-OLT, FSO(if applicable) at GP, Router at Block, all the equipment at State NOC, RFMS, the Racks, UPS/Power Plant, Battery... shall be made on completion of warranty of one year for these equipment".	The RFP states that the 10% balance payment for electronic items will be made on "completion of warranty of one year". However, elsewhere the RFP mandates a comprehensive 10-year warranty. Please clarify if this 10% payment will be released after the 1st year of the warranty period, or if it is retained for the entire 10-year contract duration.	The 10% amount for electronic items shall be released upon completion of the initial warranty period of one (1) year, as defined under the payment clause. The extended support/maintenan

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					ce obligations under the remaining contract duration shall be governed separately under O&M provisions and SLA commitments,i.e.,in Clause 4.28: -i(5)- A comprehensive on-site warranty and Operations & Maintenance on all goods supplied under this contract shall be provided by the respective Original Equipment Manufacturer (OEM) through PIA till the end of the Contract
6 1 7	Section 5	Clause 5.23.3 VII (e)	Penalty for Aerial to Underground (UG) Conversion Delay "If the PIA fails to convert the remaining Aerial OFC Network to UG... penalty of 5% of the value per week of the pending work/section shall be levied".	A penalty of 5% <i>per week</i> for pending Aerial to UG conversion is exceptionally high and could rapidly exceed the actual value of the pending work. We request GFGNL to cap this specific penalty at a maximum of 10% of the pending section's value, aligning with standard Liquidated Damages (LD) norms.	No change in RFP

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6 1 8	Section 5	Clause 5.23.1.1 (h) & (i)	Shifting of Shelter / Electronics and Outage Penalties The RFP allows a maximum of Rs. 15,000/- for the shifting of electronics and accessories,. However, in the event of an outage during shifting, the PIA is liable to pay an LD of "INR 10,000 (Rupees Ten Thousand) per hour of outage".	Shifting an active telecommunications node inherently requires temporary disconnection and physical transport, making zero downtime virtually impossible. Please confirm if a standard, approved maintenance window (e.g., 4 to 6 hours during non-peak times) will be granted as an SLA exclusion during mandated shifting events before the Rs. 10,000/hour penalty is applied.	We should give maintenance window as an SLA exclusion during mandated shifting
6 1 9	Section 5	Clause 5.22	RoW Permissions - Special Project Category -The tender outlines the standard process for obtaining Right of Way (RoW) permissions from various State and Central agencies but does not specify this project under "Special Category" projects.	The said project shall be declared under Special Project and shall be governed as per latest RoW policy applicable for special projects.	Please refer Clause 5.22 RIGHT OF WAY. RoW shall be governed by latest RoW policy.
6 2 0	Section 6	Clause 6.4 (h)(1a)	As per RFP, the milestone states Commissioning of electronic equipment (router) at Sub-Block including master-block(colocated sub-block) (visible in S NoC or validated through C-NOcby IP ping)	The milestone shall be read as follows: The electronic equipment (router) at Sub-Block including master-block(colocatedsub-block) shall be visible in S NoC through IP ping. Kindly Confirm.	The commissioning of Sub-Block/Master Block router shall be considered complete either through the equipment is successfully visible/operational in S-NOC, or , The equipment is validated through C-NOC via successful IP ping response. the completion shall be

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					established based on verifiable system validation records and process define in consultation with IE. However, Both conditions are independent and sufficient, and achievement of any one of the above shall qualify for milestone completion. The completion shall be established based on verifiable system validation (S-NOC visibility or C-NOC IP ping logs). Any malpractice or incorrect reporting by the bidder shall attract appropriate contractual action, including but not limited to any or all of the following options like financial implications, forfeiture of PBG, or

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					termination, as per RFP provisions.
6 2 1	Section 6	Clause 6.4 (h)(1b)	As per RFP, Commissioning of electronic equipment (router) at GP* (visible in S NoC or validated through C-NOC by IP ping)	The milestone shall be read as follows: The electronic equipment (router) at GP shall be visible in S NoC through IP ping. Kindly Confirm.	The commissioning of GP router shall be considered complete either through the equipment is successfully visible/operational in S-NOC, or , The equipment is validated through C-NOC via successful IP ping response. the completion shall be established based on verifiable system validation records and process define in consultation with

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					IE.However, Both conditions are independent and sufficient, and achievement of any one of the above shall qualify for milestone completion.The completion shall be established based on verifiable system validation (S-NOC visibility or C-NOC IP ping logs).Any malpractice or incorrect reporting by the bidder shall attract appropriate contractual action, including but not limited to any or all of the following options like financial implications, forfeiture of PBG, or termination, as per RFP provisions.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
6 2 2	Section 6	Clause 6.4 (h)(2)	Timeline for Project Milestone-1: As per RFP the Project milestone -1 shall be upto 180 days from appointed date or 120 days from date of issue of FWO.	For more clarity, it is requested that the provision shall be amended as follows: The project milestone 1 shall be upto 180 days from appointed date or 120 days from date of issue of FWO for corresponding GPs under target milestone 1. Kindly confirm	The Clause is self explanatory, the full clause reproduce here for better clarity, "(iv) For the Project Milestone-I only , the project milestone period (180 days, as per RFP) shall be up to 180 days from the appointed date or up to 120 days from the date of FWO issued by GFGNL, whichever is later." Hence, No Change in the RFP Clause.
6 2 3	Section 9 & Section 8	Annexure C (h) & Section 8.3 (Table 1A)	laying of OFC during execution of Project.	It is understood that the laying of OFC through a utility tunnel (of PWD, or any other Govt. agency) shall be paid as per rates quoted by PIA in the bid submission. Kindly confirm.	Pls see revision, refer Annexure C (b). In case of usage of utility tunnel PIA shall be paid 30% of discovered financial bid line item no.1a/1b/1c.

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6 2 4	Note-1 Pg 421	XI. Min. Technical specifications for UPS	For Battery Warranty- Minimum 6 Hrs Backup must be required for 7 years from the date of go-live	It is requested that the requirement shall be changed from 07 years to 05 years. Also, the payment shall be made by GFGNL on actual expenditure for replacement of batteries after 05 years.	No change. The provision shall remain as per the RFP.
6 2 5	Section 7	7.10.2.16 Manpower penalties	There is no capping on the penalties related to Manpower.	Kindly confirm that all penalties under this Project are capped at 20%.	PI see preceding Response in Query Sr. Nu. 380
6 2 6	Section 7	Section 7	Multiple and stringent penalties have been mentioned under this Project.	As a PIA in current ABP project, executing & maintaining the Project with these multiple & unwarranted penalties is not feasible. The penalties shall be restricted to maintaining SLA and network availability. Also, all penalties shall be capped at 20%.	PI see preceding Response in Query Sr. Nu. 380
6 2 7	Section 6	6.1	S-NOC deployment timelines - As per RFP, Fully operational S-NOC is sought within 04 weeks and Go-Live in 90 days from date of signing of agreement	As a PIA in current ABP project, the said timelines for S-NOC are not feasible. The timelines shall be amended with Fully operational S-NOC within 90 days and Go-live within 12 months from date of signing of the Agreement.	Please see preceding Response
6 2 8	Section 6	6.1	S-NOC Payment - Even with capping of penalty in S-NOC at 20%, RFP includes the provisions for WITHHELD of payment until deliverables are accepted.	We request you that the withholding of payment shall be removed and the S-NOC penalties shall be overall capped at 10% as separate penalties are available for execution and O&M. Also, the	Selected Bidder has to adhere to quality standards. On acceptance of deliverables the payable amount will

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				stages penalties shall be reduced from 2% to 0.5% per week.	be paid to bidder However, Tenderer will have all the rights on withholding of amount on unacceptable/quality challenges in deliverable wherever applicable.
6 2 9	Section 6	6.1	NOC O&M SLA - Penalty related to Quaterly availability of <95% alongwith the 5x multiplier	The SLA provisions will erode the quarterly revenue of NOC even if the availability is at 94.5%. It is requested that the proportionate penalty shall be applicable till 85% and multiplier shall be applicable in 3 stages till 70%.	No change. The provision shall remain as per the RFP.
6 3 0	Section 5	5.3	The handover/ takeover shall be completed within a maximum time period as per below table (Table X.1.1) from the agreement signed date, in "good condition" (optical power is in the range -8 dBm to -25 dBm).	We understand that during that during Handover time the existing PIA to do the OTDR testing of all fiber(both live & dark fiber) for both Phase-1 & Phase-II scope route .After found good condition then only the handover/ takeover shall be completed. Kindly clarify.	Please refer Clause 5.3.1 HANDOVER/ TAKEOVER OF THE EXISTING BHARATNET PHASE-I & PHASE-II NETWORKS: c) The PIA shall be responsible for overall O&M of the OFC network including GPON equipment, logistics, replacement of faulty GPON, SPV equipment, spares

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
					management and also after the MPLS routers are commissioned in the Block and GP. Further, Selected PIA shall be responsible to improve the OFC network/remaining core of phase-I and phase-II on achieving -25dB or better optical power from day-1 of the contract signed.
6 3 1	Section 8.1	17	State NOC (Quantity is just for reference, may vary as per details and specification given at Section	As per our understanding all hardware & required software going to be supplied by customer excluding the four items mentioned in SOR. Kindly confirm.	As per the clause no 5.15.23, PIA shall host EMS of all the active equipments to the proposed HCI solution. Application of GIS and NMS are to be hosted at SDC infrastructure. Required optimal compute resource shall be arranged by SDC.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
6 3 2	Section 8.1	17	State NOC (Quantity is just for reference,may vary as per details and specification given at Section 17.4 Leaf switch	Request to share the existing OEM details for already deployed Spine switch in Data center.	Spine switch is not in existing network
6 3 3	Section 6	6.1	SNOC COMPONENTS DELIVERY TIMELINES	Delivery timeline for SNOC Hardware / Software / Manpower for Considering supply , delivery & deployment is very aggressive , impossible to meet. Request to relax as per the previous ABP Bharatnet Phase-3 packages.	Please see preceeding Response
6 3 4	Section 6	6.1	SNOC COMPONENTS DELIVERY TIMELINES	Request to share the existing OEM details critical SNOC components i.e. OSS, BSS, GIS, PM tool .	Kindly Refer the "Annexure_Sizing of existing EMS, NMS and GIS for GFGNL" annexure enclosed . GFGNL does not have BSS and PM Tool.
6 3 5	16.1	301	Unlicensed Band Radio (UBR) 5.X with 27dbi Antenna, mounting fixture including all installation material and services without mast on either end (equipment to be supplied in pair to be installed at both ends of a link)	Gain of Antenna can be decided by OEM/Planner while link Planning ensuring it should Meet EIRP Value.	No change. The provision shall remain as per the RFP.
6 3 6	27	319	Unlicensed Band Radio (UBR) 5.X with 27dbi Antenna, mounting fixture including all installation material and services without mast on either end (equipment to be supplied in pair to be installed at both ends of a link)	Gain of Antenna can be decided by OEM/Planner while link Planning ensuring it should Meet EIRP Value.	No change. The provision shall remain as per the RFP.

6 3 7	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers(Block Router)	The router can be Chassis based for Type A with Control plane & Data plane redundancy but shall be of non-chassis based 1RU form-factor for Type B. Routers shall be as per requirement of chasis and non chasis router defined in GR 48050:2022 Block Routers shall be of two configuration: (1) Type A(Master Block)- Router should support switching capacity of minimum 800 Gbps. The router should be enabled on day 1 with the following configuration: a. 4 port of 100G (with 40km /80Km pluggable) b. 12 port of 10 G (with 40km pluggable) c. 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) (2) Type B (Sub-Block) Router should support switching capacity of minimum 300 Gbps. The router should be enabled on day 1 with the following configuration: 2 port of 100G (with 40km / 80Km pluggable) 8 port of 10G (with 40km pluggable) 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) c. Note: Pluggables will be as per Fiber planning	To protect the investment in master block routers which needs future scalability and also considered asked port and its density we request to amend below : (1) Type A(Master Block)- Router should support switching capacity of minimum 1.08 TBPS full duplex . The router should be enabled on day 1 with the following configuration: a. 4 port of 100G (with 40km /80Km pluggable) b. 12 port of 10 G (with 40km pluggable) c. 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) (2) Type B (Sub-Block) Router should support switching capacity of minimum 320 GBPS full duplex The router should be enabled on day 1 with the following configuration: 2 port of 100G (with 40km / 80Km pluggable) 8 port of 10G (with 40km pluggable) 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) c. Note: Pluggables will be as per Fiber planning	No change. The provision shall remain as per the RFP.
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6 3 8	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	IV. Technical Specifications for Routers	The router can be Chassis based for Type A with Control plane & Data plane redundancy but shall be of non-chassis based 1RU form-factor for Type B. Routers shall be as per requirement of chassis and non chassis router defined in GR 48050:2022 Block Routers shall be of two configuration: (1) Type A(Master Block)- Router should support switching capacity of minimum 800 Gbps. The router should be enabled on day 1 with the following configuration: a. 4 port of 100G (with 40km /80Km pluggable) b. 12 port of 10 G (with 40km pluggable) c. 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) (2) Type B (Sub-Block) Router should support switching capacity of minimum 300 Gbps. The router should be enabled on day 1 with the following configuration: 2 port of 100G (with 40km / 80Km pluggable) 8 port of 10G (with 40km pluggable) 4 port of 1G/10G (All ports should be usable for both 1G as well as 10G as per plugged SFP) c. Note: Pluggables will be as per Fiber planning	We understand bidder has to quote Type A routers with dual control plane and data plane to achieve redundancy. Kindly confirm since Type B is requested to propose in 1u form factor and any OEM cannot provide dual control plane and data plane redundancy. Hence we understand redundancy has to be maintained in the form of Fan and Power supply only , please confirm.	Pls refer RFP clause - Annexure-B >> II. Technical Specifications for Routers >> Table S.no.1
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
6 3 9	Annexur e B: TECHNIC AL SPECIFIC ATIONS OF NETWO RK AND ITS COMPO NENTS	V. Technical Specifications for EMS of Routers	1. System Architecture Distributed, scalable, and modular architecture with centralized management for multi-vendor devices.	Request Clarification :- Kindly clarify if the EMS for Routers can be from 3rd party . EMS from OEM are specific to their Router and they can not manage multivendor devices , Request to kindly clarify and allow that EMS for routers can be from 3rd party vendors	Kindly read the modified RFP Clause as "System Architecture: Distributed, scalable, and modular architecture with centralized management." EMS for routers from 3rd party vendors shall not be allowed.
6 4 0	Annexur e B: TECHNIC AL SPECIFIC ATIONS OF NETWO RK AND ITS COMPO NENTS	II. Technical Specifications for Routers	Router should be provided with 1+1 or N +1 power supply and Fan redundancy. Power supplies and Fans should be hot swappable for high availability, to ensure that there is no outage till both (main and standby) power supplies/ fans fail	As per the last tender, the clause is amended as " Solution equipment should have redundant power card and redundant 1+1 or N+1 fan modules, those OEMs who are having problem in meeting hot-swappable requirement may provide high availability assurance with standard equipment MTBF (Greater than 70,000 hours as specified in QM115 of TEC/GR 48050:2024 or equivalent international standard)", we request you to please amended this clause this time as well for leading OEM to participate	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
641	5.1 SCOPE OF WORK	Network and Service Provisioning:	From Master-Block to SDC/SNOC GFGNL shall arrange the ILL/P2P(out of scope for PIA), however,PIA has to support for network provisioning of Internet Lease line/P2P bandwidth at SDC, master block or Sub-blocks to carry Gram Panchayats as well as GFGNL's customer traffic up to State capital.	As per the clause stating that "From Master-Block to SDC/SNOC, GFGNL shall arrange the ILL/P2P (out of scope for PIA)," please clarify whether the routers at the SDC/SNOC are existing infrastructure to be utilized by the bidder, or whether bidders are required to supply and commission new routers at the SDC/SNOC locations.as no corresponding specifications, quantities, or BOQ line items have been provided in the tender for SDC.please clarify.	Service provider of LL shall provide the router to implement the services. Rest of the responsibility of implementation of the infra is with PIA.
642	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND ITS COMPONENTS	XXXIV.Hyper Converged Infrastructure	Minimum 4 HCI nodes (3+1 or better) shall be proposed.	Can we quote with 3 nodes if needed ? To reduce the costing w.r.t Virtualization License + compute HW as long we provide the said number of cores in 3 nodes in place of 4	No change. The provision shall remain as per the RFP.
643	Annexure B: TECHNICAL SPECIFICATIONS OF NETWORK AND	XXXIV.Hyper Converged Infrastructure	Storage Architecture	Request for change : Across HCI nodes or Centrally located as long as the asked storage is achieved in Rf2/RAID 6	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
	ITS COMPO NENTS				
6 4 4	Annexur e B: TECHNIC AL SPECIFIC ATIONS OF NETWO RK AND ITS COMPO NENTS	XXXIV.Hyper Converged Infrastructure	Data Protection & Resiliency	<u>Request for change</u> : The system shall ensure protection against minimum two simultaneous failures (disk/node). Disk/node/storage -Data protection shall be implemented using replication or erasure coding or RAID 6	No change. The provision shall remain as per the RFP.
6 4 5	Annexur e B: TECHNIC AL SPECIFIC ATIONS OF NETWO RK AND ITS COMPO NENTS	XXXIV.Hyper Converged Infrastructure	Hypervisor Support	<u>Request for change</u> : The platform shall support enterprise hypervisors such as VMware / Hyper-V / KVM. – VMware / Hyper-V / KVM / KVM based HPE VME	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
6 4 6	3.1 Pre Qualific ation Criteria	Router OEM Experience	Need to submit Following alongwith LOI/LOA/Contract agreement/PO copy. i) Delivery Challan Copy with Sign/stamp Or ii) Successful Go-live Certificate, Or iii) Successful Acceptance Test Report.	Since, we are channel orientated OEM and we process order thru are Distributor and distributor to partner and Partner to Customer. Hence, required document from the customer will be very difficult and involvement of multiple partners. Can we submit the Delivery Challan and Purchase Copy of our Athourized National Distributor to justify the requirement,	The relevant clause has been revised. Bidders are requested to kindly refer to the Corrigendum/Maste r RFP for the updated provision
6 4 7	3.1 Pre Qualific ation Criteria	Mandatory Undertaking		To ensure quality products, this clause should be added on OEM. Which eventually assure to restrict all the OEM who are blacklisted/debarred in Central Government, State Government & PSU in last 6 years for doing Breach of contract, Ethical Violations, Security & Compliance etc	Bidder is advised to refer the section- Pre-qualification crtieria , 5.1 for detail provisioning of the clause
6 4 8	3.1 Pre Qualific ation Criteria	OEM Criteria		To ensure best breed of the quality product , we request to consider all hardware OEM should be leader in Magic Quadrant or should be top 5 OEM's in IDC report	The Clause is restrictive hence, No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
6 4 9	3.1 Pre Qualific ation Criteria	OEM Criteria		We understand SLA is under PIA Scope but as customer we request to ensure the best fitted OEM should participate in this tender and hence, request to below clause in the tender. OEM shall have local service center & office in Gujarat and can give undertaking to open the same if they been aswared this order.	No change. The provision shall remain as per the RFP.

6 5 0	Section 5.1	5.1 — Scope of Work (Page 128 of RFP) [General RFP Structure — Single Package]	Package Structure — Division of Single Package into Two Packages	EXISTING PROVISION: The entire ABP Phase-III scope — covering 34 Districts, 14,229 Gram Panchayats and 4,141 Revenue Villages across Gujarat — has been structured as a Single Package spanning all 6 Zones (Ahmedabad, Gandhinagar, Surat, Vadodara, Rajkot & Bhavnagar). A single implementing agency is expected to execute the complete statewide scope under one contract. PROPOSED AMENDMENT: It is proposed that the project be divided into Two (2) separate Packages / Lots: • Package A — 3 Zones • Package B — 3 Zones Each Package to carry independent eligibility criteria, Bid Security, and Work Order — on the lines of the BharatNet Phase-II two-package model successfully implemented in Gujarat. JUSTIFICATION: 1. The single-package structure concentrates the entire statewide scope under one agency, severely limiting competition to a handful of very large entities. 2. BharatNet Phase-II in Gujarat was successfully executed in two packages (Package-A: 13 districts; Package-B: 10 districts). Shivranjani Construction Co, as an existing O&M partner of GFGNL since Phase-II, affirms the operational advantages of the two-package model from firsthand experience. 3. Division into two packages will: (a)	No change. The provision shall remain as per the RFP.
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				attract more qualified bidders; (b) reduce execution risk through geographical distribution; (c) enable faster mobilisation and commissioning; and (d) allow capable mid-to-large firms — the actual ground-level implementors — to meaningfully participate. 4. A two-package model reduces single-vendor dependency risk over the 10-year O&M period.	
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S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
6 5 1	Section 3.1	3.1 — Pre- Qualification Criteria, Table-02, Sr. No. A — Financial Turnover (Page 44 of RFP)	Consortium Partner Minimum Average Annual Turnover — Revision from Rs. 400 Cr. to Rs. 100-125 Cr.	EXISTING PROVISION: For Consortium bids (Lead Bidder + one or two Consortium Partners), each Consortium Partner must have a Minimum Average Annual Turnover of Rs. 400 Cr. during the last 3 Financial Years (FY 2022-23, FY 2023-24, FY 2024-25). This applies to both (a) Lead + 1 Consortium Partner and (b) Lead + 2 Consortium Partners. PROPOSED AMENDMENT: It is proposed that the minimum Average Annual Turnover requirement for Consortium Partner(s) be revised to Rs. 100-125 Cr. (Average Annual Turnover during last 3 Financial Years). Note: The Lead Bidder's financial threshold may remain unchanged as per the current RFP. JUSTIFICATION: 1. The Rs. 400 Cr. threshold for each Consortium Partner is disproportionately high and eliminates a large category of technically experienced OFC / Civil / Telecom EPC firms from participating as partners. 2. The overall financial robustness of a consortium is primarily ensured by the Lead Bidder's threshold. Placing an equally steep bar on partners defeats the intent of consortium-based bidding. 3. Shivranjani Construction Co, with 7 years of on-ground Phase-II O&M experience across Gujarat, has directly	No change. The provision shall remain as per the RFP.

S r · N o	Section No.	Clause No.	Reference/Subject	Clarification Sought	GFGNL Clarification
				observed that many of the most skilled and reliable OFC / Civil / infrastructure firms operate in the Rs. 100–125 Cr. annual turnover range. These are the firms that actually deliver the work on the ground. 4. Reducing the threshold to Rs. 100-125 Cr. will: (a) widen the pool of eligible consortium partners; (b) allow Lead Bidders to form technically stronger teams; (c) promote genuine competition; and (d) result in better on-ground execution by firms with proven domain expertise.	

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