

Corrigendum-III

Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing and Commissioning to upgrade backhaul network for Gujarat Fibre Grid Network Limited, Dept. of Science & Technology, Government of Gujarat

Issued by:
Gujarat Fibre Grid Network Limited
Reference No: [GFGNL/GFG/e-file/263/2023/0122-2](#)

07th February 2025



Issued By:
Gujarat Fibre Grid Network Limited (GFGNL)
A Government of Gujarat Company
Block No: 6, 5th Floor, Udyog Bhavan, Sector-11, Gandhinagar 382010

4. Notice Inviting Proposal and Necessary Instruction

Name of the work	Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing and Commissioning to upgrade backhaul network for Gujarat Fibre Grid Network Limited, Dept. of Science & Technology, Government of Gujarat
Proposal due date (last of date of Tender submission)	Tender should be submitted before 23/01/2025 07-Feb-2025 , 24/02/2025 , 6:10 PM Bidder shall upload their bids on nprocure.
“KNOW-HOW” Session Participation	1 st KNOW-HOW session held on 09/01/2025. 2 nd KNOW-HOW session (not applicable for those participants attended in 1 st session) will be held on 11/02/2025, 11:00 AM for interested bidders/OEM (2 persons max) at GFGNL HO Conference room for one day. 20,000 Rs. Demand Draft / Online Payment in favor of “Gujarat Fibre Grid Network Limited” drawn on any scheduled bank and payable at Ahmedabad/Gandhinagar. Please Note: Bidders / OEM who attended previous know-how session does not need to attend again.

Revised Eligibility Criteria:

S. No.	Eligibility Criteria	Supporting Documents to be furnished
1.	The entity should be either registered as a Company under Companies Act 1956/ 2013 or as a Partnership (including Limited Liability Partnership) under Partnership Act, 1932 as the case may be.	Certificate of Incorporation in respect of the applicant organization issued by Registrar of Companies or a partnership deed duly registered under the Partnership Act
2.	The Bidder should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Telecom or Networking only. Subsidiary company turnover would be considered in lead (parent) company turnover, subject to submission of requisite documents to GFGNL.	Certificate from the Statutory auditor/ CA clearly specifying the annual turnover for the specified years along with audited balance sheet of the bidding entity.
3.	The bidder should have positive net worth and should be profit making in any three of last five financial year (2019-20,2020-21,2021-22, 2022-23 & 2023-24)	Certificate from the Statutory auditor/ CA on net worth

<p>4.</p>	<p>Bidder/National TSP Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 46 Cr/ 50 Cr/ Two Project having minimum Rs. 42 Cr/ 20 Cr/ Three Project having minimum Rs. 8 Cr/ 15 Cr having components like Backhaul transport network includes IP-MPLS routers, DWDM, PTN, OTN, RON, CPAN, Transport SDN (with minimum 40- % 30% of these active components i.e. One project having minimum Rs. 15 Cr and so on) in last five Seven years as on date of bid submission bid published date.</p> <p>Work Order/Captive network consumption should have been issued in last five seven years as on date of bid submission bid published date.</p> <p>For completed projects: Go-live certificate should be provided.</p> <p>For ongoing projects: Client certificate should be provided clearly mentioning worth of completed work for asked active components. "</p>	<ul style="list-style-type: none"> — Copies of Purchase Order, completion/ Go-live certificate or partial completion certificate complying to the clause requirement from client to be enclosed along with Technical Bid — The captive network of any National TSP and internal workorder for execution of specified experience is allowed for claiming this eligibility.
<p>5.</p>	<p>OEM should have supplied minimum 300 numbers of Quoted technology solution equipment in last 3 years as on date of bid submission for at least two different customers.</p> <p>Order may be considered in phase manner in asked time period.</p> <p>OEM should have supplied minimum 300 numbers of Quoted technology solution equipment for at least two different customers or 500 numbers of Quoted technology solution equipment for at least one customer in last 3 years as on date of bid submission.</p>	<p>OEM Declaration on their letterhead along with work order and proof of successful installation (i.e., Delivery challan or Client certificate on successful installation or OEM certificate from Company Secretary/Legal). OEM can mask sensitive information.</p> <p>Customer certificate for supply of quoted technology (product code) along with quantity & time duration has to be submitted.</p>

6.	The Bidder shall submit undertaking on respective OEM letterhead from each of the OEM - confirming the following: OEM shall ensure that all equipment/components/sub-components being supplied by them shall be supported with comprehensive onsite warranty for minimum 10 Years or EOS (End of Support) date declared by OEM whichever is later (from date of Bid submission). In case of EOS for at least 7 Years and above, For remaining duration of 10 years, SI must ensure service availability by housing spares, additional equipment, new equipment wherever needed.	MAF (Annexure VIII) from OEM whose products are being quoted by the Bidder need to be attached in the bid.
7.	The bidder & OEM of proposed solution from a country which shares a land border with India will be eligible to bid in this tender only if the bidder is registered with Competent Authority as per OM No. 6/18/2019-PPD dated 23rd July 2020 issued by Department of Expenditure, Gol.	Self-declaration by the Bidder and OEM with duly signed and stamped by the authorized signatory in the prescribed format (Annexure – XII, XIII), separately
8.	<p>The bidder should</p> <ul style="list-style-type: none"> • Not have been blacklisted by Central Government /Any State Government / Urban Local Body (ULB) / SPV/ PSU in India as on the date of bid submission. • Not be insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of legal proceedings for any of the foregoing reasons. • The bidder should have at least one office in Gujarat state or undertaking from the bidder that they will open an office within one month of placement of PO by GFGNL." • Not have their directors and officers convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified. 	<p>Declaration letter by bidder as per the format given in the RFP document</p> <ul style="list-style-type: none"> • Self-declaration by the Bidder duly signed and stamped by the authorized signatory in format (Annexure – IV), separately. • Copies of any two of the followings for office: Property Tax / Electricity / Telephone Bill / GST Registration /Lease agreement
9.	The OEM should have total annual turnover of Rs 200 Cr in the last five financial year	Certificate from the Statutory auditor/ CA clearly specifying the annual turnover for

	(2019-20, 2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Quoted technology solution equipment only.	the specified years along with audited balance sheet of the bidding entity.
10.	The Bidder should have valid ISO 9001:2015 or TL9000 and ISO 27001:2022 or ISO 27001:2013 as on last date of bid submission.	The Bidder should submit valid certificate
11.	OEM Should Not have been blacklisted by Central Government /Any State Government / Urban Local Body (ULB) / SPV/ PSU in India as on the date of bid submission	Declaration letter by OEM as per the format given in the RFP document

Revised Technical Evaluation Criteria:

S/N	Criteria	Max. Marks
1	<p>OEM Experience Capability: Offered Product Portfolio of quoted technology solution in last 7 Years for (as part of contract)</p> <ul style="list-style-type: none"> — Supplied quantity in numbers: Greatest Size among Bid participants = 5 Marks Greatest Size to 75% of Greatest Size = 3 marks Less than 75% of Greatest Size = 2 marks — Unique clientele based to understand wider acceptability credentials in numbers, Greatest Size among Bid participants = 5 Marks Greatest Size to 75% of Greatest Size = 3 marks Less than 75% of Greatest Size = 2 marks 	10
2	<p>Rollout Commitment (It will be part of the contract):</p> <p>Bidder can showcase their expertise and give revise milestone (Immediate workorder for Phase-II and future Intimate workorder for Phase-I) for early rollout of the project. Marking will be given based on percentile of highest commitment from the bidder.</p> <p>RFP Baseline is T+180 Days.</p>	10
3	<p>Network design (HLD) baseline, bestline and unique features:</p> <ul style="list-style-type: none"> — Traffic Engineering including Core layer and Aggregation layer — Internet breakout architecture at district level, — Inter-island Bandwidth provisioning — No use of existing transport equipment in proposed solution 	15
4	<p>Solution Highlights:</p> <ul style="list-style-type: none"> — Alignment of Solution with BharatNet Phase-III from Day-1 — Alignment of Solution with GSWAN (Government Intranet traffic at TC/DC/GP) from Day-1 — DR Link in between SDC to Vadodara in next intimation order (BharatNet Phase-III) — Higher uptime Preparedness in the design 	10
5	<p>Space utilization (“U” in Size) at Site and State Data Center by proposed solution</p> <ul style="list-style-type: none"> — Least Size among Bid participants = 5 marks — Least Size to < 150% of Least size = 3 marks — > 150% of Least size = 2 marks <p>Power Consumption (“KWH” in Unit per Hour) at Site and State Data Center by proposed solution</p> <ul style="list-style-type: none"> — Least Units among Bid participants = 5 marks 	10

S/N	Criteria	Max. Marks
	<ul style="list-style-type: none"> — Least Size to < 120% of Least size = 3 marks — > 120% of Least size = 2 marks 	
6	<p>Additional Offering without any additional cost to GFGNL (It will be part of the contract)</p> <ul style="list-style-type: none"> a) More number of spares, - every 1% increase from RFP baseline = 2 marks b) Extension in the warranty of offered products, -every 1% increase from RFP baseline = 2 marks c) More number of 2CNO locations (Redundancy component), -every 1% increase from RFP baseline = 2 marks d) Repair & return commitment in Days from OEM or service center, Expected time for RS&RR (Repair, Service, Restore and Replace) is 15 Days, -every 10% reduction in 15 days = 2 marks 	15
7	<p>Presentation: -</p> <ul style="list-style-type: none"> a) Previous Project use cases– 6 marks b) Operational Plan, Training, Knowledge transfer & Network Handover strategy to BharatNet Phase- III (ABP) PIA (Two Packages each) – 6 marks c) Value added services, EMS features, functionality, Dashboard report, NOC experience, Security solution – 6 marks d) Lucrative Buyback plan (based on suggestive depreciation formula or any other best practices) or Re-deployment plan of existing transport network along with service support for mitigate govt. losses – 6 marks (For Package A - 3 marks & For Package B – 3 marks) e) Strategic inputs for widespread utilization of the backhaul transport network for income, increasing client interest and to attract potential customers – 6 marks 	30
	Total Marks	100

Note:

- i. Minimum qualified score from technical qualification to become eligible for next stage of financial bid opening will be 70 marks for bidders. Bidders are requested to provide document for evaluation and marking as defined in Section Eligibility Criteria.

- ii. Document submitted during technical evaluation is binding to bidder and will be part of final agreement.
- iii. "Technical bid" will be evaluated only for the Bidders who succeed in Eligibility Criteria.
- iv. Technical Committee will review the technical bids of the short-listed bidders to determine whether the technical bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at committee's discretion.

Modification in Clause:

S. No.	Clause/ Sub-clause no	Existing Clause	Modified Clause
1	9.18.1	<p>If, at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, heavy rainfall declared by respective district magistrates or equivalent authority, explosions, epidemics, quarantine restrictions, strikes, lockouts or act of God (hereinafter referred to as events) provided notice of happenings of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries under the contract shall be resumed as soon as practicable after such an event come to an end or cease to exist, and the decision of the Tenderer as to whether the deliveries have been so resumed or not shall be final and conclusive. Further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reasons of any such event for a period exceeding 60 days, either party may, at its option, terminate the contract.</p>	<p>If, at any time, during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reasons of any war or hostility, acts of the public enemy, civil commotion, sabotage, fires, floods, heavy rainfall declared by respective district magistrates or equivalent authority resulting in restrictive movement, explosions, epidemics, quarantine restrictions, strikes, lockouts or act of God (hereinafter referred to as events) provided notice of happenings of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such event be entitled to terminate this contract nor shall either party have any claim for damages against other in respect of such non-performance or delay in performance, and deliveries under the contract shall be resumed as soon as practicable after such an event come to an end or cease to exist, and the decision of the Tenderer as to whether the deliveries have been so resumed or not shall be final and conclusive. Further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reasons of any such event for a period exceeding 60 days, either party may, at its option, terminate the contract.</p>

S. No.	Clause/ Sub-clause no	Existing Clause	Modified Clause
2	13.A.6.C	<p>Network Design: Backhaul transport network should be categorized mainly in two layers and equipment nodes may be considered accordingly.</p> <p>1. Core Layer:</p> <ul style="list-style-type: none"> •Should be capable of supporting multiple 100G to 400G interfaces. •Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swappable requirement <p>2. Aggregation Layer:</p> <ul style="list-style-type: none"> •Should be capable of supporting multiple 10G to 100G interfaces. •Solution equipment should have redundant power card, fan modules, and achieve hot-swappable requirement. 	<p>Network Design: Backhaul transport network should be categorized mainly in two layers and equipment nodes may be considered accordingly.</p> <p>Proposed quoted technology solution equipment should have capability to handle surge protection of 2KVA.</p> <p>1. Core Layer: (Minimum 800 Gbps switching capacity)</p> <ul style="list-style-type: none"> •Should be capable of supporting multiple 100G to 400G interfaces. •The modular chassis or fixed integrated chassis, both are allowed for wider competition subjected to control plane and data plane redundancy without compromising ask of the RFP. •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 QM-115 of TEC/GR 48050:2024 or equivalent international standard) <p>2. Aggregation Layer: (Minimum 300 Gbps switching capacity)</p> <ul style="list-style-type: none"> •Should be capable of supporting multiple 10G to 100G interfaces. • 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 QM-115 of TEC/GR 48050:2024 or equivalent international standard)

S. No.	Clause/ Sub-clause no	Existing Clause	Modified Clause																																																												
3	3.1	<table border="1"> <thead> <tr> <th>Sl.</th> <th>Scope</th> <th>Total Counts</th> <th>Phase-I Counts</th> <th>Phase-II Counts</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>District HQ</td> <td>33</td> <td>11</td> <td>22</td> </tr> <tr> <td>2</td> <td>Block HQ</td> <td>252</td> <td>117</td> <td>135</td> </tr> <tr> <td>3</td> <td>Gram Panchayat</td> <td>14653</td> <td>8036</td> <td>6617</td> </tr> <tr> <td>4</td> <td>Revenue Villages</td> <td>4387</td> <td>-</td> <td>-</td> </tr> <tr> <td>5</td> <td>No. of Exchange (Ring Block)</td> <td>660</td> <td>259</td> <td>401</td> </tr> </tbody> </table> <p>Note: Above figures are tentative in nature as per present status.</p>	Sl.	Scope	Total Counts	Phase-I Counts	Phase-II Counts	1	District HQ	33	11	22	2	Block HQ	252	117	135	3	Gram Panchayat	14653	8036	6617	4	Revenue Villages	4387	-	-	5	No. of Exchange (Ring Block)	660	259	401	<table border="1"> <thead> <tr> <th>Sl.</th> <th>Scope</th> <th>Total Counts</th> <th>Phase-I Counts</th> <th>Phase-II Counts</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>District HQ</td> <td>33</td> <td>11</td> <td>22</td> </tr> <tr> <td>2</td> <td>Block HQ</td> <td>252</td> <td>117</td> <td>135</td> </tr> <tr> <td>3</td> <td>Gram Panchayat</td> <td>14653</td> <td>6617</td> <td>8036</td> </tr> <tr> <td>4</td> <td>Revenue Villages</td> <td>4387</td> <td>-</td> <td>-</td> </tr> <tr> <td>5</td> <td>No. of Exchange (Ring Block)</td> <td>660</td> <td>259</td> <td>401</td> </tr> </tbody> </table> <p>Note: Above figures are tentative in nature as per present status.</p>	Sl.	Scope	Total Counts	Phase-I Counts	Phase-II Counts	1	District HQ	33	11	22	2	Block HQ	252	117	135	3	Gram Panchayat	14653	6617	8036	4	Revenue Villages	4387	-	-	5	No. of Exchange (Ring Block)	660	259	401
Sl.	Scope	Total Counts	Phase-I Counts	Phase-II Counts																																																											
1	District HQ	33	11	22																																																											
2	Block HQ	252	117	135																																																											
3	Gram Panchayat	14653	8036	6617																																																											
4	Revenue Villages	4387	-	-																																																											
5	No. of Exchange (Ring Block)	660	259	401																																																											
Sl.	Scope	Total Counts	Phase-I Counts	Phase-II Counts																																																											
1	District HQ	33	11	22																																																											
2	Block HQ	252	117	135																																																											
3	Gram Panchayat	14653	6617	8036																																																											
4	Revenue Villages	4387	-	-																																																											
5	No. of Exchange (Ring Block)	660	259	401																																																											
4	12.3.1	<p>The bidder must maintain a sufficient inventory of spare parts (at least 5% of the supplied quantity, zone-wise) to meet the required SLA commitments.</p>	<p>The bidder must maintain a sufficient inventory of spare parts (at least 5% of the supplied quantity, zone-wise) to meet the required SLA commitments.</p> <p>Spares will be the ownership of GFGNL and will be deployed as per GFGNL's instructions whenever needed.</p>																																																												

Additional Clause:

S. No.	Clause/ Sub-clause no	Additional Clause Content
1	13 A	<p>Bidder has to supply quoted technology solution equipment with below mentioned minimum specification in alignment with BSNL Phase-III requirement. Bidder may refer further technical specification in the BSNL BID Ref "Tender No. MM/BNO&M/BN-III/T-791/2024 issued on 15.02.2024".</p> <p>For Type-A: Core Layer Equipment: Minimum 800 Gbps capacity:</p> <ul style="list-style-type: none"> a) 4 ports of 100G or 4 ports of 200G or 2 ports of 400G (Pluggable will be in scope of bidder as per solution design), b) 18 ports of 10G/25G (12 numbers with 40km optical pluggable, 4 numbers with 10km optical pluggable, 2 numbers with 10km electrical pluggable)

S. No.	Clause/ Sub-clause no	Additional Clause Content
		<p>c) 6 ports of 1G/10G (Pluggable will be in Variable supply)</p> <p>For Type-B: Aggregation Layer Equipment: Minimum 300 Gbps capacity:</p> <p>a) 3 ports of 100G (Pluggable will be in scope of bidder as per solution design),</p> <p>b) 16 ports of 10G (10 numbers with 40km optical pluggable, 4 numbers with 10km optical pluggable, 2 numbers with 10km electrical pluggable)</p> <p>c) 6 ports of 1G/10G (Pluggable will be in Variable supply)</p> <p>Notes:</p> <p>1) The variable supply of pluggable will be based on intimation to bidder, bidder to ensure supply for entire project duration at discovered price.</p> <p>2) 10G SFPs license as part of BOQ require from Day-1 for parenting the BharatNet Phase-3 GP rings.</p> <p>2) These above is minimum indicative requirement. However, bidder has to select product and port configuration aligning with bid requirement in totality without any cost to GFGNL.</p> <p>3) The router should support all 400G,100G ports for 100m, 10km, 40km & 80KM pluggable, and 10G ports for 100m, 10km, 40km & 80KM pluggable.</p> <p>4) Bidder to ensure 400G/200G/100G SFP supply as per their design as part of BID.</p>
2	13 A	As part of scope, bidder to supply 10Gbps SFP with supporting license and support testing at all delivery locations on Day-1 bandwidth requirement of 3Gbps at Sub-block, DC and 2Gbps at TC.
3	9	The purchaser reserves the right to increase/decrease the ordered quantity/scope of the work by up to 25% at any time, till the final delivery date (or the extended delivery date of the

S. No.	Clause/ Sub-clause no	Additional Clause Content
		contract), by giving reasonable notice even though the quantity ordered initially has been supplied in full before the last date of the delivery period (or the extended delivery period)
4	Limitation of Liability	<p>Notwithstanding anything to the contrary in this Contract, the liability of the PIA towards the Authority Indemnified Persons for any damages or compensation of any nature whatsoever under this Contract, shall not exceed Total cost of Project awarded to PIA. For the avoidance of doubt, the limitation hereunder shall not apply to any or all liabilities in respect of third parties. The Parties agree that the PIA's liability will be uncapped in case of any liabilities arising due to:</p> <p>(a) any amount payable as indemnity to GFGNL/GoG/Gol due to its acts or omissions or fraud, gross negligence and willful misconduct;</p> <p>(b) breach of any Applicable Laws or any Applicable Permits.</p> <p>(c) any claims or loss on account of Intellectual Property rights violation by the PIA;</p> <p>(d) any personal bodily injury or death of any person caused by, arising out of or in connection with its performance of this Contract; or</p> <p>(e) any loss of or physical damage to property of GFGNL/GoG/Gol, or any third party caused by, arising out of or in connection with the performance of this Contract.”</p>

Implementation Timeline & Penalties:

Sr No	Milestone	Deliverables	Timelines	Penalty
1	Signing of Agreement	- Agreement and Performance Bank Guarantee	T0 = T+ 15 Days	Rs 1,000,00 /- per week up to 4 weeks, beyond 4-week Tenderer may cancel the letter of award/work order and forfeit EMD.

2	Pilot block and Pilot district implementation by OEM	Refer Clause 13. A.6	T1 = T0 + 20 Days or T + 35 Days	Time is essence and non-negotiable. The significant delay shall be the good reason for termination of the entire workorder.
3	Supply of Items by SI	- Delivery Challan - Invoice Copy - 10 years warranty certificate issued by respective OEMs for each hardware	T2 = T1 + 55 Days or T + 90 Days	1% of total value of delayed item (as per Price BOQ) per week up to 4 weeks, further 2 % per week up to 12 week and delay beyond 12 weeks from Schedule timeline, GFGNL may terminate the contract and Forfeit the PBG)
4	Installation and configuration of supplied equipment to complete backhaul upgrade as per scope of work of this RFP	Installation Report & UAT, NMS integration of EMS and AT of inventory, live status, SLA, PM reports in NMS.	T3 = T2+60 Days or T + 150 Days	2% per week up to 4-week Delay Beyond 4 weeks from Schedule timeline, GFGNL may terminate the contract and Forfeit the PBG).

T = Date of issuance of work order

Notes:

- a) Implementation timeline and payment milestones for Phase-I network deployment will be started after intimation from GFGNL side (Island wise) once new fiber readiness in field.
- b) Go-Live will be considered **phase-wise** and package-wise of 90% of completed sites within the scope subjected to valid reason for pending sites.
- c) **The selected bidder, who penalized during the initial period of the project milestones/ timelines those penalties will get waived off at the end of the project, based on the successfully completion of the overall defined project timelines/milestones in terms of overall scope of the project.**

Annexure VII: Financial Bid Format

S/ No.	Description of Item	UoM	Qty (A)	Unit Rate (w/o Tax) (B)	Total (C = A x B)	Taxes as applicable (%)
1)	Supply, Installation, Testing and Commissioning, and handover of all the required hardware, software, licenses, Accessories, labor cost etc. to upgrade the backhaul network as per scope of this RFP (3Gbps Solution) – Phase-II Network	Lumpsum	1			

S/ No.	Description of Item	UoM	Qty (A)	Unit Rate (w/o Tax) (B)	Total (C = A x B)	Taxes as applicable (%)
2)	Supply, Installation, Testing and Commissioning, and handover of all the required hardware, software, licenses, Accessories, labor cost etc. to upgrade the backhaul network as per scope of this RFP (3Gbps Solution) – Phase-I Network	Lumpsum	1			
3)	Deployment of resource for Implementation Phase	Man month	50			
4)	Deployment of NOC resource for entire O&M period of 10 years from Go-Live	Man month	2			
5)	Buyback offer for existing transport equipment (Requires to put negative value)	Lumpsum	1			
6)	Redeployment of old equipment (One time only) within BharatNet network as a separate parallel network solution (not linked with this bid solution)	Lumpsum	1			
7)	Total Notional Space Consumptions (Notional Value) at SDC (State Data Center) for 10 Years considering proposed network solution. Overall Space consumption at SDC = U Size *(Multiply) Rs 143/- *(Multiply) *365 days * 10 Years	Number	x			
8)	Total Notional electricity power Budget Consumptions (Notional Value at full load) at SDC (State Data Center) for 10 Years considering proposed network solution. Overall Active devices power consumption at SDC = KWH (unit per hour) *(Multiply) Rs 12/- *(Multiply) 24Hour *(Multiply) *365 days * 10 Years	Number	x			
9)	Total Notional Space Consumptions (Notional Value) at Site for 10 Years considering proposed network solution. Overall Space consumption at Site = U Size *(Multiply) Rs 143/- *(Multiply) *365 days * 10 Years	Number	x			

S/ No.	Description of Item	UoM	Qty (A)	Unit Rate (w/o Tax) (B)	Total (C = A x B)	Taxes as applicable (%)
10)	Total Notional electricity power Budget Consumptions (Notional Value at full load) at Site for 10 Years considering proposed network solution. Overall Active devices power consumption at Site = KWH (unit per hour) *(Multiply) Rs 12/- *(Multiply) 24Hour *(Multiply) *365 days * 10 Years	Number	x			
11)	Optical Pluggable for 80km of 10G port including License (Notional Qty)	Number	1890			
12)	Optical Pluggable for 40km of 10G port including License (Notional Qty)	Number	9450			
13)	Optical Pluggable for 10km of 10G port including License (Notional Qty)	Number	3780			
14)	Optical Pluggable for 100m of 10G port including License (Notional Qty)	Number	1890			
15)	Optical Pluggable for 100m of 1G port including License (Notional Qty)	Number	2835			
16)	Electrical Pluggable for 100m of 1G port including License (Notional Qty)	Number	2835			
Sub Total A0 (Weightage – 60%) = Sum of S. No. 1 to 16						
17)	Supply, Installation, Testing and Commissioning, and handover of all the required hardware, software, licenses, Accessories, labor cost etc. to upgrade the backhaul network as per scope of this RFP (10Gbps Solution) – Phase-II Network	Lumpsum	1			
18)	Supply, Installation, Testing and Commissioning, and handover of all the required hardware, software, licenses, Accessories, labor cost etc. to upgrade the backhaul network as per scope of this RFP (10Gbps Solution) – Phase-I Network	Lumpsum	1			
Sub Total A1 (Weightage – 40%) = 17+18						
Grand Total (A0+A1)						

Note - The notional quantity is for the purpose of right price discovery without price rigging, and it is not the estimated value.

Pre-Bid queries response and Post Know-how session queries response:

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
1	-	Page 45 EMS & NMS Integration	All network elements and routes must be integrated with existing GFGNL NMS	Do you have any NMS solution if yes please name it or you need Fresh NMS solution to monitor the Router,Switch, Firewall		Yes. GFGNL has existing NMS solution from M/s NMSWorks. We are further exploring to get advance NMS system (network scanning and visibility of key network performance, provisioning and supervising indicators). The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.
2	-	Page 45 EMS & NMS Integration	Bidder to provide perpetual software license for entire solution including EMS.	Are you looking for ITSM solution for auto ticketing ? And server monitoring solution as well?		As per RFP
3	-	Page 45 EMS & NMS Integration	Additional points recommended for Fresh NMS and EMS solution 1]To ensure the mature security standard of proposed EMS solution, SI must ensure that the proposed EMS solution OEM is ISO 27034 certified from one of the following certification agencies: Schellman/ KPMG/ PwC/ Ernst &	Request you to please add points for fresh NMS and EMS solution points		As mentioned in query-(01)

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>Young/ Deloitte. Documentary proof must be provided at the time of submission.</p> <p>2]The proposed solution must be Information Security Management System certified with ISO/IEC 27001:2013 and ISO 9001 certificates.</p> <p>3]The NMS 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.</p> <p>4] NMS shall be able to capture, track & analyse traffic flowing over the network via different industry standard traffic capturing methodologies viz. NetFlow, jflow, sFlow, IPFIX etc.</p>			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>5]TheEMS solution should have IT Service Management documentation/ guidelines in-built based on ITIL V4 best practices and must be People Cert Gold certified on at least 9 ITILv4 processes i.e., Incident Mgmt., Knowledge Mgmt., Service Request Mgmt., Service Catalogue Mgmt., IT Asset Mgmt., Change Enablement, Service Configuration Mgmt., Problem Mgmt., Release Mgmt., etc. The certification copies to be submitted.</p> <p>6]The proposed EMS solution should be accessible from a single pane of glass for KPI insights across the entire IT environment. This dashboard will provide service status, performance view, response-time data etc</p>			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>based on role-based access for streaming metrics across systems, applications, networks, topology & event data, the solution must be FIPS 140-2 compliant, which ensures that cryptographic-based security systems are to be used to provide protection for sensitive or valuable data.</p> <p>7]The proposed EMS solution should be built on modern container technologies deployable on containerized (like Docker, Kubernetes) mode. The solution should either support built-in Kubernetes technology or Bring Your Own Kubernetes (BYOK) platform provided by the bidder.</p>			
4	16	9/g	Consortium is not allowed.	Considering the scope of work and timelines of the project, we request you to allow		This is Specialized ask of building the transport network and has single purpose and thereby consortium is not required.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				the consortium bids to address the tender		
5	25	10(3)	The bidder should have positive net worth and should be profit making in last three financial year (2020-21,2021-22, 2022-23 & 2023-24)	Central PSUs may be exempted from profitability requirement. Alternately the clause may be modified as The bidder should have positive net worth and should be profit making in any two of the last 5 financial years (2019-20, 2020-21,2021-22, 2022-23 & 2023-24)		The Transport network is very critical for both technically and operationally for connect in between rural areas to SDC(state data center) at Gandhinagar. The widespread utilization is one of the outcomes including high network uptime. The specialized skillset, professional competency and financial capability is very essential from start to end in mind.
6	30	12/i	It will be binding to bidder to conduct POC (Proof of Concepts) of proposed solution as per requirement of GFGNL including LAB testing in time bound manner (10-15 working days) as well as field testing on a sample basis (over deployed network),	We assumed that POC will be conduct by H1 bidder only		Yes. This is very important and non-negotiable clause, working relationships in this critical and specialized workmanships. Failing on this is good reason to terminate the workorder. For the purpose of reiterating the intent the respective clause is reproduce herewith. Refer the Page-40 section 6(b) - (a- The one part is, technical configuration, right traffic engineering/re-engineering, identification of stress point, and overall solution within one jurisdiction and one

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>covering all features & services test scenario to ensure the proposed solution deemed working & acceptable to GFGNL. The bidder and OEM have to confirm open interface solution and ensure synergy with at least (but not limited to) two different OEM product selected by GFGNL during POC procedure.</p>			<p>pocket (i.e. one block and one district, internet breakout, Intranet) and with an objective to validate and freeze the technically implementable aspects with active role of expert which is OEM in this case. OEM has to ensure successful implementation of pilot block and pilot district first which will be replicated in rest geography by bidder</p> <p>The failure during this pilot pocket shall be the good reason for termination of the entire workorder without any scope of negotiation or doubts. The failure shall be considered risky propositions for replicating the problems and hence without paying any financial compensations the workorder shall be terminated and the entitlement for issuing the workorder to next in sequence may be considered as already stipulated provision in the RFP.</p>
7	40	6. Network Design and Configuration/C) Solution Requirements:	<p>Fiber Usage for transport device: The Bidder must use a maximum of two fiber cores (01 Pair) between transport devices.</p>	<p>We assumed free spare fiber pair will be provided by GFGNL from day 1 for create parallel network</p>		<p>Two fiber cores (1 fibre pair) will be provided by GFGNL in parallel. The GFGNL can provide the fiber pair on day-01. However, the bidder side is equally responsible to consume the requested fibre pair within 30 days from the date of fibre pair provisioned. Any material pendency may be considered adversely and seriously. Upon casual approach in wasting the fibre</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						resources, the GFGNL may reserve the rights to deduct INR 6000/- per core per Km per annum basis proportionally.
8	40	6. Network Design and Configuration/C) Solution Requirements:	Fiber Loss:1. Section/Span Loss - 32db inclusive of O&M Margin of 5db 5. ILA Amplifier gain may be planned accordingly to meet Section/Span Loss.	We assume the fiber loss be considered for design -0.32db/KM inclusive of 5db Span margin. Please clarify.		Kindly refer design criteria in clause 13A.6.C, and the requirement has been clearly mentioned to mitigate fiber losses along with O&M margin.
9	43	22.Annexure Route and Upgradation	After allocating the desired bandwidth to the Sub-blocks, TC & DC, additional 100G bandwidth must remain available (reserve) on annexure routes to support future network integrations of Phase I and Phase III.	Please elaborate the Requirement.		This is self-explanatory statement. The purpose of transport network is to maintain seamless flow of traffic from anywhere to any place in any part of the BharatNet Ph-I , II , III network. This is the only RFP which is purposed for this and hence no exclusions, interpretation, shall be considered which is not in the interest of BharatNet network in Gujarat. The bidder is expected to do due diligence in this EPC work.
10	44	22.Annexure Route and Upgradation	Package-A & Package-B Annexure Route Details	Please share annexure route details for package A & Package-B		the nature of RFP is EPC and the scope is to cater past, Present and future BharatNet (upto BharatNet Ph-III).The Selection criteria of bidder is fundamentally on premises of knowledge of BharatNet. The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						and shared existing network details for better understanding.
11	39	13/A/5	All the supplied equipment must be capable to support minimum 2CNO (Three Path protection) with 100G/200G line interfaces. Bidder must ensure minimum 50% of sites to be provided minimum 2CNO with all requisite hardware/software requirements at Day-1, with capability to support 3CNO (Four path Protection), 4CNO (Five Path protection) depending on number of fiber route and with <50ms switch over time. GFGNL will share the name of the sites once bidder selected for the contract.	50% of the Sites to be supported with min. 2CNO. To Support 3CNO, 4CNO proposed Fiber Directions to be provided by GFGNL and bidder is responsible to design the network accordingly.		The nature of RFP is EPC and the scope is to cater past, Present and future BharatNet (upto BharatNet Ph-III).The Selection criteria of bidder is fundamentally on premises of knowledge of BharatNet. The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap and shared existing network details for better understanding.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
12	41	13.A.6.C	Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swappable requirement	We assume that Redundant module or Active-Active NE solution can be proposed. Please Confirm		<p>The Network cannot afford any downtime due to the any single point of failure of sub components and technical design. The same has been specified in the RFP including EPC characteristics of the deployment and design excellence.</p> <p>The device failures and network uptime is very important and non-negotiable irrespective of technical terminologies. The offered product must be in line with functionality, scalability and redundancy to deal single point failures and proven product and solution. To de-risk the Government the power to terminate the Work order is provisioned in the scope of pilot district rollout as reiterated below,</p> <p>Refer the Page-40 section 6(b) - (a- The one part is, technical configuration, right traffic engineering/re-engineering, identification of stress point, and overall solution within one jurisdiction and one pocket (i.e.one block and one district, internet breakout, Intranet) and with an objective to validate and freeze the technically implementable aspects with active role of expert which is OEM in this case. OEM has to ensure successful implementation of pilot block and pilot district first which will be replicated in rest</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						<p>geography by bidder</p> <p>The failure during this pilot pocket shall be the good reason for termination of the entire workorder without any scope of negotiation or doubts.</p> <p>The failure shall be considered risky propositions for replicating the problems and hence without paying any financial compensations the workorder shall be terminated and the entitlement for issuing the workorder to next in sequence may be considered as already stipulated provision in the RFP.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
13	50	24/d/11	<p>Below services should be offered as part of security offering, but not limited to: Network CIA (Confidentiality-Integrity-Availability), Network Segmentation, Firewalls, Cyber security, Authorization-Authentication and Accountability(AAA), SSL(Secure Socket Layer) Visibility and analysis Solution, The Principle of Least Privilege, Strong authentications, SIEM (Security Information and Event management), Security orchestration, Automation, and response (SOAR), Vulnerability Assessment Solution, User and entity behavior analytics (UEBA), NDR (Network detection and response), XDR (Extended detection and response),a Zero Trust Internet Security, Data</p>	<p>The Highlighted features should not be part of the Transport Backhaul IP/MPLS Router. These features should be considered as independent requirements as part of security products. Please delete these requirements from the backhaul network upgrade RFP.</p>		<p>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 /solution must adhere to security norms, prevailing security practices and it should not limit functionality of security activations.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			Leak Prevention (DLP), Log repositories, Online log retention, Antivirus and antispam solutions at gateways, Endpoint Detection and Response (EDR), Patch Management etc., WAF(Web Application Firewall) and SLB (Server Load balancer), Link load Balancer, DDOS (Distributed denial of services) and DNS Security, VPN.			
14	49	24/c/14	The service originating from end devices like routers at government offices or ONT at residence, the performance and quality measurement in terms of peak speed, total data consumption, server reachability should be monitored continuously in real-time and a dashboard for the same has to be created.	We understand from this clause respective OEM will have their own EMS to monitor their devices. We are supplying IP/MPLS Transport backhaul routers and will be managed and monitor by the supplied EMS. Please clarify		The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						<p>compensations.</p> <p>The OEM/bidder is essentially to integrate above EMS related aspects in the open interface of unified NMS of GFGNL for the BharatNet network assets. We are further exploring to get advance NMS system(network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.</p>
15	49	24/c/15	Latency measurement of each service from end device at customer premise should be done in real time and actions should be taken to rectify is issues seen.	We assume that EMS system is capable to perform Throughput, latency & Performance of the Service using as RFC-2544 standard test procedure as and when required. Please clarify	Real time monitoring of the services can be done by 3rd Part Tools like MRTG, TWAMP and needs to be procured by GFGNL Separately.	GFGNL is not going to procure separate tool other than this RFP. OEM must check his limitations before participations. It is better to minimize hassles for the GFGNL and provide intended functionality without any addition financial cost to GFGNL.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response																								
16	20	General Rejection criteria/i	Bidder who did not attend "KNOW-HOW" Session	We assume that this will be applicable for OEM as well. Please clarify. No additional "KNOW-HOW" will be arranged further for any new bidder/OEM participation.		The arranging "Know - How" session is for wider participations and extending network related knowledge and future objective for designing the EPC model.																								
17	39	13.A.5	<table border="1"> <thead> <tr> <th>Sl No</th> <th>Delivery Location</th> <th>Numbers</th> <th>Bandwidth required per Location (Gbps)</th> <th>Bandwidth Scalability per Location</th> <th>Minimum SMD (Three-Path Protection) required locations</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sub-Block (LT) location name</td> <td>600</td> <td>10 Gbps</td> <td>10 Gbps</td> <td>300</td> </tr> <tr> <td>2</td> <td>Control Centre (DCU) Master-Block</td> <td>10</td> <td>10 Gbps</td> <td>10 Gbps</td> <td>10</td> </tr> <tr> <td>3</td> <td>Transfer Centre (TC)</td> <td>250</td> <td>10 Gbps</td> <td>10 Gbps</td> <td>250</td> </tr> </tbody> </table>	Sl No	Delivery Location	Numbers	Bandwidth required per Location (Gbps)	Bandwidth Scalability per Location	Minimum SMD (Three-Path Protection) required locations	1	Sub-Block (LT) location name	600	10 Gbps	10 Gbps	300	2	Control Centre (DCU) Master-Block	10	10 Gbps	10 Gbps	10	3	Transfer Centre (TC)	250	10 Gbps	10 Gbps	250	As per the Table, we assume that TC & DC dropping node to be compulsory considered as per given Qty and node will be considered as part of Aggregation.		As per RFP As the nature of RFP is EPC and the scope is to cater past, Present and future BharatNet (upto BharatNet Ph-III). The Selection criteria of bidder is fundamentally on premises of knowledge of BharatNet.
Sl No	Delivery Location	Numbers	Bandwidth required per Location (Gbps)	Bandwidth Scalability per Location	Minimum SMD (Three-Path Protection) required locations																									
1	Sub-Block (LT) location name	600	10 Gbps	10 Gbps	300																									
2	Control Centre (DCU) Master-Block	10	10 Gbps	10 Gbps	10																									
3	Transfer Centre (TC)	250	10 Gbps	10 Gbps	250																									

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
18	53	B.18	Security - Control-plane and management plane protection, RADIUS (client authentication) Local Packet Transport Services (LPTS) Authentication, Authorization, and Accounting (AAA), Terminal Access Controller Access-Control System Plus (TACACS+), Secure Shell (SSH) Layer 3, ingress and egress ACLs for IPv4 and IPv6, Layer 2 ingress ACLs, MACSec Unicast Reverse Path Forwarding (Unicast RPF) IEEE802.1x	Local Packet Transport Services (LPTS) Authentication is proprietary feature of Single OEM, request to modify and remove from the Compliance statement.	RBBN to raise the query	Local Packet Transport Services (LPTS) Authentication or equivalent is allowed
19	23	9.22.1/Insurance	Insurance cost needs to be mentioned separately in detailed BOM submitted physically	As insurance is part of bidder scope than please remove this from BOM and financial bid calculation.Please keep this with PIA.		The Insurance is important ask to de-risk the BharatNet. The evidentiary proof is to be furnished by the bidder including factoring the cost in financial bid. In absence of any gap in taking the proper insurance as mentioned in the RFP, it shall be the risk of bidder to mitigate any eventuality.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						The GFGNL shall not reimburse or entertain any claim from bidder in this regard. Thereby bidder is advised to take proper insurance as scoped in the RFP and accordingly factor in Price BOQ.
20	25	10. Eligibility Criteria/4	Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/Two Project having minimum 12Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40 % of these active components) in last five years as on date of bid submission. Work Order should have been issued in last five years as on date of bid submission. For completed projects: Go-live certificate should be provided. For ongoing projects: Client certificate should	Please allow If WO date is older than Five (5) years from bid released date(excluding bid released date), then work completion certificate must not be older than 4 years from bid released date		Yes, 7 years for wider competition

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			be provided clearly mentioning worth of completed work for asked components. "			
21	30	12/i	It will be binding to bidder to conduct POC (Proof of Concepts) of proposed solution as per requirement of GFGNL including LAB testing in time bound manner (10-15 working days) as well as field testing on a sample basis (over deployed network), covering all features & services test scenario to ensure the proposed solution deemed working & acceptable to GFGNL. The bidder and OEM have to confirm open interface solution and ensure synergy with at least (but not limited to) two different OEM product	We assumed that POC will be conduct by H1 bidder only		As responded above

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			selected by GFGNL during POC procedure.			
22	30	12/n/o/p	<p>n) For successful implementation of the project, the Bidder, shall designate one employee for each package as single point of contact (SPOC) for GFGNL throughout this project. Bidder shall provide the contact numbers, e-mail id and other relevant details of the SPOC to GFGNL. The SPOC need to be based at GFGNL NOC during the project implementation phase</p> <p>o) The Bidder shall also be required to provide one person at GFGNL office-Gandhinagar-for each package for day to day activities like fault rectification, reconfiguration etc. from the date of Go-live to</p>	Need clarity on actual manpower/resource required at NOC		For resources requirement during project Implementation phase, Pls refer RFP section 12.7 and 2 (1 for each package) technical resources at NOC for entire O&M period of 10 years shall be provided by bidder.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>three months or till the contract completion including weekends and public holidays. The deputed personnel must be Engineering Graduate and OEM trained. The selected bidder has to provide 24*7 support, at least one person per packages for 3 shifts need to be manage the integration and operation support, this is indicative requirement, bidder should increase resources as per quantum of work or escalation from GFGNL</p> <p>p) The bidder shall provide the two resources at NOC, GFGNL for entire 10 years of O&M period of supplied network solution.</p>			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
23	40	6. Network Design and Configuration/C) Solution Requirements:	Fiber Loss:1. Section/Span Loss - 32db inclusive of O&M Margin of 5db 5. ILA Amplifier gain may be planned accordingly to meet Section/Span Loss.	We assume that the fiber loss will be considered in the design as -0.32 dB/km, inclusive of a 5 dB O&M span margin. Kindly confirm		Kindly refer design criteria in clause 13A.6.C, and the requirement has been clearly mentioned to mitigate fiber losses along with O&M margin.
24	40	6. Network Design and Configuration/C) Solution Requirements:	Fiber Usage for transport device: The Bidder must use a maximum of two fiber cores (01 Pair) between transport devices.	We assume that GFGNL will provide a free spare fiber pair from day one to facilitate the creation of a parallel network		As responded above
25	43	22. Annexure Route and Upgradation	After allocating the desired bandwidth to the Sub-blocks, TC & DC, additional 100G bandwidth must remain available (reserve) on annexure routes to support future network integrations of Phase I and Phase III.	Please elaborate the Requirement.		The nature of RFP is EPC and the scope is to cater past, Present and future BharatNet (upto BharatNet Ph-III). The Selection criteria of bidder is fundamentally on premises of knowledge of BharatNet. The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap and shared existing network details for better understanding.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
26	44	22. Annexure Route and Upgradation	Package-A & Package-B Annexure Route Details	Please share annexure route details for package A & Package-B		The nature of RFP is EPC and the scope is to cater past, Present and future BharatNet (upto BharatNet Ph-III). The Selection criteria of bidder is fundamentally on premises of knowledge of BharatNet. The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap and shared existing network details for better understanding.
27	66	7 Annexure VII: Financial Bid Format/3	Deployment of resource for Implementation Phase/Manmonth/50	Please provide manmonth calculation		Pls refer RFP Section 21/7/Note-1
28	66	7 Annexure VII: Financial Bid Format/4	Deployment of NOC resource for entire O&M period of 10 years from GoLive/Man month/2	Please provide manmonth calculation		2 (1 for each package) technical resources at NOC for entire O&M period of 10 years shall be provided by bidder.
29	66	7 Annexure VII: Financial Bid Format/5	Buyback offer for existing transport equipment/Lumpsum/1	We assume value have to put in negative value		Yes, as per understanding

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
30	66	7 Annexure VII: Financial Bid Format/7	Total Notional Space Consumptions (Notional Value) at SDC (State Data Center) for 10 Years considering proposed network solution. Overall Space consumption at SDC = U Size *(Multiply) Rs 143/- *(Multiply) *365 days * 10 Years	We assume here " U size " and space consumption includes for both transport backhaul devices and power plant devices(deployed for AC to DC conversion wherever applicable and required) as well		Yes, It is very important factor to minimize the Power and space budget. Hence, It is expected to provide the products which are not consuming un-necessary space and power and burdening the GFGNL monthly expenses.
31	66	7 Annexure VII: Financial Bid Format/9	Total Notional Space Consumptions (Notional Value) at Site for 10 Years considering proposed network solution. Overall Space consumption at Site =U Size *(Multiply) Rs 143/- *(Multiply) *365 days * 10 Years	We assume here " U size " and space consumption includes for both transport backhaul devices and power plant devices(deployed for AC to DC conversion wherever applicable and required) as well		As Above
32	66	7 Annexure VII: Financial Bid Format/8	Total Notional electricity power Budget Consumptions (Notional Value at full load) at Site for 10 Years considering proposed network solution. Overall Active devices power consumption at Site = KWH (unit per hour)	We assume we have to include power consumptions includes for both transport backhaul devices and power plant devices(deployed for AC to DC conversion		As above

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>*(Multiply) Rs 12/-</p> <p>*(Multiply) 24Hour</p> <p>*(Multiply) *365 days *</p> <p>10 Years</p>	wherever applicable and required) as well		
33	66	7 Annexure VII: Financial Bid Format/10	<p>Total Notional electricity power Budget Consumptions (Notional Value at full load) at Site for 10 Years considering proposed network solution. Overall Active devices power consumption at Site = KWH (unit per hour)</p> <p>*(Multiply) Rs 12/-</p> <p>*(Multiply) 24Hour</p> <p>*(Multiply) *365 days *</p> <p>10 Years</p>	We assume we have to include power consumptions includes for both transport backhaul devices and power plant devices(deployed for AC to DC conversion wherever applicable and required) as well		As Above
34	30	Scope of Work / 12.i	The bidder and OEM have to confirm open interface solution and ensure synergy with at least (but not limited to) two different OEM product selected by	We assume that interoperability with other OEMs will be facilitated through standard interfaces and protocols.		The bidder and OEM have to confirm open interface solution and ensure synergy (Standard interfaces and protocols) with at least (but not limited to) two different OEM product selected by GFGNL during POC procedure.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			GFGNL during POC procedure.			
35	39	13/A/5	All the supplied equipment must be capable to support minimum 2CNO (Three Path protection) with 100G/200G line interfaces. Bidder must ensure minimum 50% of sites to be provided minimum 2CNO with all requisite hardware/software requirements at Day-1, with capability to support 3CNO (Four path Protection), 4CNO (Five Path protection) depending on number of fiber route and with <50ms switch over time. GFGNL will share the name of the sites once bidder selected for the contract.	A minimum of 50% of the sites must be supported with at least 2CNO. For 3CNO support, GFGNL will provide the proposed fiber directions for 4CNO. The bidder will be responsible for designing the network accordingly.		As Above

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
36	41	13.A.6.C	Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swappable requirement	We presume that a redundant module or an active-active NE solution is permissible for proposal. Kindly confirm.		As per above

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
37	50	24/d/11	<p>Below services should be offered as part of security offering, but not limited to: Network CIA (Confidentiality-Integrity-Availability), Network Segmentation, Firewalls, Cyber security, Authorization-Authentication and Accountability(AAA), SSL(Secure Socket Layer) Visibility and analysis Solution, The Principle of Least Privilege, Strong authentications, SIEM (Security Information and Event management), Security orchestration, Automation, and response (SOAR), Vulnerability Assessment Solution, User and entity behavior analytics (UEBA), NDR (Network detection and response), XDR (Extended detection and response),a Zero Trust Internet Security, Data</p>	<p>It is assumed that the security compliance requirements are applicable based on the specific product solution provided by the bidder, as the details presented are generalized. Therefore, transport network security compliance applies solely to the transport network, and IP/MPLS router security compliance is applicable exclusively to the IP/MPLS router."</p>		As Above

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			Leak Prevention (DLP), Log repositories, Online log retention, Antivirus and antispam solutions at gateways, Endpoint Detection and Response (EDR), Patch Management etc., WAF(Web Application Firewall) and SLB (Server Load balancer), Link load Balancer, DDOS (Distributed denial of services) and DNS Security, VPN.			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response																								
38	49	24/c/5	The Proposed solution must support multiple integration with 3rd party Analytic platforms like ITSM platforms like ticketing tools using Webhook, API and Open telemetry	Could you kindly confirm the supported protocols and interfaces for the third-party NBI API?		As Above																								
39	49	24/c/14	The service originating from end devices like routers at government offices or ONT at residence, the performance and quality measurement in terms of peak speed, total data consumption, server reachability should be monitored continuously in real-time and a dashboard for the same has to be created.	We assumed that the EMS system is capable of evaluating throughput, latency, and performance of the services provisioned via EMS (Transport IP/MPLS) using standard PM counters and alarms. Kindly confirm.		As Above																								
40	39	13.A.5	<table border="1"> <thead> <tr> <th>Site</th> <th>Delivery Location</th> <th>Numbers</th> <th>Bandwidth required per Location (Gbps)</th> <th>Bandwidth Capacity per Location</th> <th>Minimum DDC (Three-Pair) Provisioned per location</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sub-Station (CT) location</td> <td>80</td> <td>3 Gbps</td> <td>10 Gbps</td> <td>10</td> </tr> <tr> <td>2</td> <td>Sub-Station (DC) Metro-Station</td> <td>10</td> <td>3 Gbps</td> <td>10 Gbps</td> <td>10</td> </tr> <tr> <td>3</td> <td>Office Location (DC)</td> <td>200</td> <td>3 Gbps</td> <td>10 Gbps</td> <td>20</td> </tr> </tbody> </table>	Site	Delivery Location	Numbers	Bandwidth required per Location (Gbps)	Bandwidth Capacity per Location	Minimum DDC (Three-Pair) Provisioned per location	1	Sub-Station (CT) location	80	3 Gbps	10 Gbps	10	2	Sub-Station (DC) Metro-Station	10	3 Gbps	10 Gbps	10	3	Office Location (DC)	200	3 Gbps	10 Gbps	20	Based on the table, we assume that TC and DC dropping nodes must be mandatorily considered as per the specified quantities, and these nodes will		As Above
Site	Delivery Location	Numbers	Bandwidth required per Location (Gbps)	Bandwidth Capacity per Location	Minimum DDC (Three-Pair) Provisioned per location																									
1	Sub-Station (CT) location	80	3 Gbps	10 Gbps	10																									
2	Sub-Station (DC) Metro-Station	10	3 Gbps	10 Gbps	10																									
3	Office Location (DC)	200	3 Gbps	10 Gbps	20																									

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				be included as part of the aggregation		
41	20	General Rejection criteria/i	Bidder who did not attend "KNOW-HOW" Session	We assumed that this requirement will also be applicable to the OEM. Kindly confirm. Additionally, no further 'know-how' will be provided for any new bidder or OEM participation		The arranging "Know - How" session is for wider participations and extending network related knowledge and future objective for designing the EPC model.
42	49	24/c/15	Latency measurement of each service from end device at customer premise should be done in real time and actions should be taken to rectify is issues seen.	We assumed that the EMS system is capable of assessing throughput, latency, and service performance using the RFC-2544 standard test procedure as required. Kindly confirm		As Above

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
43	49	24/c/9	Real time visibility & monitoring of both Network and Application(s) for better co-relation of the Service impact pro-actively rather than re-actively. (Milli Second Level visibility: 20pps to 1000 pps for real time monitoring) for continuous real time KPIs and SLA reporting.	We assumed that the proposed EMS is required to monitor, maintain, and support NOC operations on a real-time basis.		As Above
44	Page 25 and 26	10 (4) - Eligibility Criteria	Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40 % of these active components) in last five years as on date of bid submission. Work Order should have been issued	PO should have been issued in the last seven years and Work Execution should have been completed in the last five years.	Our credentials (Purchase Orders) were issued in the last seven years and since the project was large (state-wide), the execution was completed recently. Hence, it is requested to	PO should have been issued in the last eight years and Work Execution/Work certificate should have been completed in the last five years.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>in last five years as on date of bid submission. For completed projects: Go-live certificate should be provided. For ongoing projects: Client certificate should be provided clearly mentioning worth of completed work for asked components. "</p>		<p>modify this clause.</p>	
45	Page 16	G	<p>Consortium is not allowed.</p>	<p>Please allow consortium to get maximum participation and competition.</p>	<p>It enhances capabilities by pooling expertise, resources and financial strength making the bid more competitive.</p>	<p>This is Specialized ask of building the transport network and has single purpose and thereby consortium is not required.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
46	Page 25	10. Eligibility Criteria (3)	The bidder should have positive net worth and should be profit making in last three financial year (2020-21,2021-22, 2022-23 & 2023-24)	Kindly revise the clause as a." The bidder should have positive net worth in last three financial year (2020-21,2021-22, 2022-23 & 2023-24) OR b. The bidder should be profit making in Previous 2 Financial years and also profitable in all the 3 Qtrs of the current FY 2024-25 till Dec'24." OR c.The bidder should have positive net worth in last three financial year (2020-21,2021-22, 2022-23 & 2023-24) and should be profit making in Previous 2 Financial years .	Consistent Positive Networth of last three years demonstrate fancial capabilty of the bidder.	Please see revised PQ/TQ criteria
47	Page 26	10. Eligibility Criteria (5)	OEM should have supplied minimum 300 numbers of Quoted technology solution equipment in last 3 years as on date of bid	Kindly consider to revise the clause as : a.OEM should have supplied minimum 300 numbers each of	IP MPLS technology is a relatively new technology development	a) The Transport network is very critical technically and any un-researched technology may adversely impact all the underlined investment in the BharatNet.Thus, this qualification scanner is specifically provisioned to protect the

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>submission for atleast two different customers. Order may be considered in phase manner in asked time period.</p>	<p>Optical Transport technology products like DWDM/OTN/IPMPLS solution equipment in last 3 years as on date of bid submission to atleast two different customers. OR b."OEM should have supplied minimum 300 numbers each of Quoted technology solution equipment in last 3 years as on date of bid submission to atleast two different customers or min 3000 nos of quoted technology solution to a single customer"OR</p>	<p>for Domestic OEMs in India, and this will ensure the level playing field to Domestic OEMs. Also kindly refer GFGNL previous tender where the requirement was as "OEM should have supplied minimum 250 numbers OTN/DWDM equipments in last 3 years as on date of bid submission in single order"</p>	<p>government image and possibility of sub-optimal outcome. The intend of the RFP is to ascertain evaluation on quoted technology and wider acceptability in the market to de-risk BharatNet. b) OEM should have supplied minimum 300 numbers of Quoted technology solution equipment for atleast two different customers or 800 numbers of Quoted technology solution equipment for atleast one customers in last 3 years as on date of bid submission . Order may be considered in phase manner in asked time period, customer certificate for supply of quoted solution (product code) along with quantity & time duration has to be submitted.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
48	26	10. Eligibility Criteria (9)	The OEM should have total annual turnover of Rs 200 Cr in the last five financial year (2019-20, 2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Quoted technology solution equipment only.	We understand that Rs 200 Cr turnover is the cumulative one for last 5 years as was asked in the previous tender ref: GFGNL/GFG/e-file/263/2023/0122, Kindly clarify the same. Also, Kindly revise the clause as follows: "The OEM should have total annual turnover of Rs 200 Cr in the last five financial year (2019-20, 2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Optical Transport technology products like DWDM/OTN/IPMPLS".	Most of Local OEMs are upgrading from DWDM/OTN to IP MPLS in recent times and 200 Cr from IP MPLS is on very higher side. Also kindly refer previous GFGNL tender the requirement was 120 Cr business solely generated from the business of DWDM/OTN transmission equipments only.	The Transport network is very critical technically and any un-researched technology may adversely impact all the underlined investment in the BharatNet. Thus, this qualification assessment is specifically provisioned to assess expertise, proven product, and traffic design on quoted technology / product line. The evaluation on any other technology which is not sought under this RFP is not much of relevance. The intend of the RFP is to ascertain evaluation on quoted technology and wider acceptability in the market to de-risk BharatNet. Still for wider competition, the clause is revised with 50% reduction in the ask. Please refer revised eligibility criteria table.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
49	Page 26	10. Eligibility Criteria (8)	The bidder should have at least one office in Gujarat state	Kindly revise the clause as "The bidder should have at least one office in Gujarat state ,or undertaking from the bidder that they will open an office within one month of placement of PO by GFGNL."	It will encourage bidders from other state to participate in this bid, making the bid more competitive.	"The bidder should have at least one office in Gujarat state, or undertaking from the bidder that they will open an office within one month of placement of PO by GFGNL."
50	26	10. Eligibility Criteria (10)	The Bidder should have valid ISO 9001: 2015 and ISO 27001:2022 as on last date of bid submission.	Kindly Revise as "The Bidder should have valid ISO 9001: 2015 and ISO 27001:2022 or ISO 27001:2013 as on last date of bid submission". Alternatively, kindly remove ISO 27001:2022 requirement	Please remove ISO 27001: 2022, as this certification is to manage the security of their information assets. ISO 27001 does not add any capability or hinder any SI to offer services in this bid. This certification was also not asked in the previous	The Bidder should have valid ISO 9001: 2015 and ISO 27001:2022 or ISO 27001:2013 as on last date of bid submission.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					GFGNL tender Ref: GFGNL/GFG/e-file/263/2023/0122.	
51	28	11. Technical Evaluation Criteria (5b)	Industry deployment use cases by OEM (For Global -4, For Global & India - 4) – 8	Kindly remove the Global deployment use case and point should be given for deployment only irrespective of (India/Global),	IP MPLS technology is a relatively new technology development for Domestic OEMs in India. IP MPLS Technogogy has been designed, developed and deployed by Indian Manufacture rs recently & may not have global	Modified and removed the ask of Global. Industry deployment use cases by OEM – 8 marks

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					deployment .	
52	28	11. Technical Evaluation Criteria (5d)	Operational Plan, Training, Knowledge transfer & Network Handover strategy to existing O&M partner – 5 marks	Kindly remove this criteria as this favours existing O&M partners of GFGNL.	There is a conflict of interest, if the existing O&M partners participate in this bid, they will get free marks as compared to other bidders.	Operational Plan, Training, Knowledge transfer & Network Handover strategy to BharatNet Phase- III (ABP) PIA (Two Packages each) Hence, there is no question of existing PIA/conflict of Interest.
53	16	9.0 (h)	The provisions of the Public Procurement (Preference to Make in India) Order 2017 dated June 15, 2017 (or subsequent revisions, if any) by Department of Industrial Policy and Promotion, GoI shall apply to this tender to the extent feasible. However, the participation is open to all i.e. Class-I, ClassII and	Kindly confirm that the latest guidelines of Make in India vide latest order no.No:P-45021/2/2017-PP(BE-II)-Part(4)Vol.II dated 19.7.2024 DPIT GOI will be followed along with the DOT policy dated 21st Oct,2024.	Latest guidelines of Make in India vide latest order no.No:P-45021/2/2017-PP(BE-II)-Part(4)Vol.II dated 19.7.2024 DPIT GOI should be applicable on	Make In India companies are also allowed along with proven technology products worldwide to meet business and functional requirement of the specialized Network. And that is the precise reason we have not sought any restrictive clauses / global certifications prohibiting participation of Make in India companies

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			to Non-local suppliers including foreign suppliers.		this tender. In addition, latest DoT Notification (Ministry of Communications) dated 21st Oct-2024 shall be applicable for this tender. Request you to apply all the government of India and Government of Gujarat policies to promote domestic manufacturers in line with the vision of our visionary Hon'ble Prime Minister towards the realization of making Viksit	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					Bharat-Viksit Gujarat..	
54	-		<p>The provisions of the Public Procurement (Preference to Make in India) Order 2017 dated June 15, 2017 (or subsequent revisions, if any) by Department of Industrial Policy and Promotion, GoI shall apply to this tender to the extent feasible. However, the participation is open to all i.e. Class-I, ClassII and to Non-local suppliers including foreign suppliers.</p>	<p>As State of Gujarat has already adopted Make in India Policy for its procurement, kindly confirm all the provisions of the policy including the 20% purchase preference as per the policy will be applicable on this procurement.</p>	<p>Latest guidelines of Make in India vide latest order no.No:P-45021/2/2017-PP(BE-II)-Part(4)Vol.II dated 19.7.2024 DPIT GOI should be applicable on this tender. In addition, latest DoT Notification (Ministry of Communications) dated 21st Oct-2024 shall be applicable for this tender. Request you to apply all the</p>	<p>Make In India companies are also allowed along with proven technology products worldwide to meet business and functional requirement of the specialized Network. And that is the precise reason we have not sought any restrictive clauses / global certifications prohibiting participation of Make in India companies</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					<p>governments of India and Government of Gujarat policies to promote domestic manufacturers in line with the vision of our visionary Hon'ble Prime Minister towards the realization of making Viksit Bharat-Viksit Gujarat..</p>	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
55	-		<p>The provisions of the Public Procurement (Preference to Make in India) Order 2017 dated June 15, 2017 (or subsequent revisions, if any) by Department of Industrial Policy and Promotion, GoI shall apply to this tender to the extent feasible. However, the participation is open to all i.e. Class-I, ClassII and to Non-local suppliers including foreign suppliers.</p>	<p>As State of Gujarat has already adopted Make in India Policy for its procurement, kindly confirm that participation is open to all subject to meeting all the provisions of the policy.</p>	<p>Latest guidelines of Make in India vide latest order no.No:P-45021/2/2017-PP(BE-II)-Part(4)Vol.II dated 19.7.2024 DPIT GOI should be applicable on this tender. In addition, latest DoT Notification (Ministry of Communications) dated 21st Oct-2024 shall be applicable for this tender. Request you to apply all the government of India and Government</p>	<p>Make In India companies are also allowed along with proven technology products worldwide to meet business and functional requirement of the specialized Network. And that is the precise reason we have not sought any restrictive clauses / global certifications prohibiting participation of Make in India companies</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					<p>of Gujarat policies to promote domestic manufacturers in line with the vision of our visionary Hon'ble Prime Minister towards the realization of making Viksit Bharat-Viksit Gujarat..</p>	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
56	66	7 Annexure VII: Financial Bid Format	Buyback offer for existing transport equipment	Request to remove this clause	Third party vendors/OEM do not buyback, this suits to only incumbent OEM/Bidder .Buyback option of other OEM equipments may have legal implications as the existing OEM/Sl may not allow the equipment to be used/reverse engineering of their products by competing OEM/Sl and it may lead to intellectual property violations by other OEMs.	We are not insisting for re-deployment (dismantling) of existing devices. It is optional. One can offer lucrative buyback offer or alternatively the existing devices may be re-deployed for mitigate govt. losses, in some clusters without compulsion of integration with the new devices. The ask of integration of old with the new devices is avoided for wider competition and allowing new OEMs equal chance to deploy.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					GFGNL may not have requisite permission from existing OEMs to transfer the rights to other SI/OEMs/Customer	
57	51	B. Technical Specifications	Pls add clause Reg Trusted source products	The instructions regarding supply of 'Trusted products' as mandated by DoT vide File no- 20-271/2010 AS-I (Vol-III) dated 10.3.2021, along with its amendments, issued from time to time,. The OEM should have approval as a Trusted Source from the National Security Council Secretariat (NSCS) as per extant Government of India guidelines.	As mandated by NSCS for all Govt Networks	Yes as per clarification sought and justification.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
58	New	Implementation Of QCBS	Kindly reconsider the evaluation under QCBS model	<p>We have seen that QCBS model is followed in solution based RFPs involving multiple technologies(eg Smart city projects, Safe City projects etc). The present solution RFP involves implementation of transport network using only one IPMPLS technology. previous DWDM tender, Procurement of such products have never been done through QCBS model in any of the government projects ., BSNL, PGCIL and Railtel. QCBS model may bring unnecessary interpretations and hence we request you to evaluate this tender based upon L-1 basis only and revoke the QCBS model.</p>		<p>This procurement is not limited to delivery and installation of black boxes. This is backbone of the entire BharatNet of the Gujarat and would affect millions of rural masses. Thus, it should be collective endeavor of high traffic transport layer with Telco grade capabilities and excellence of engineering design.</p> <p>In view of above, removal of Quality assessment is something in not tandem with intend of excellence in network design and deployment even after spending big sum.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
59	New	Implementation Of QCBS	Kindly Revise the weightage	We would request you to kindly revise the marking system as follows: Bidder Final Score (BFS) = $[(Tb/Thigh) \times 100 \times 0.3] + [(Flow/Fb) \times 100 \times 0.7]$ This will bring parity in evaluating the solutions of various bidders. This way, the weightage will be reduced from 60% to 30% in line with the guidelines issued by Ministry of Expenditure -Manual for Procurement of Consultancy & Other Services(Updated June, 2022)	As per Ministry of Expenditure, The principles of QCBS shall be as provided in Rule 192(i), (ii) and (iii) of the GFR. However, the maximum weight of the non-financial parameters shall in no case exceed 30%.	<p>This procurement is not limited to delivery and installation of black boxes. This is backbone of the entire BharatNet of the Gujarat and would affect millions of rural masses. It is quality oriented procurement (QOP) declared by competent authority. Further, on your question and concerned, here we would like to reproduce corresponding provisions in GFR</p> <p>The relative importance of quality vis-a-vis cost aspects is quite essential in this service model. Further to clarify, this particular clause is already aligned with GFR Rule-192 (i), (ii) and (iii). (iv) GFR Rule - 192 (i), (ii) and (iii) are reproduced here; Quality and Cost Based Selection (QCBS):QCBS may be used for Procurement of consultancy services, where quality of consultancy is of prime concern.</p> <p>(i) In QCBS initially the quality of technical proposals is scored as per criteria announced in the RFP. Only those responsive proposals that have achieved at least minimum specified qualifying score in quality of technical proposal are considered further.</p> <p>(ii) After opening and scoring, the Financial proposals of responsive technically qualified</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						<p>bidders, a final combined score is arrived at by giving predefined relative weight ages for the score of quality of the technical proposal and the score of financial proposal.</p> <p>(iii) The RFP shall specify the minimum qualifying score for the quality of technical proposal and also the relative weight ages to be given to the quality and cost (determined for each case depending on the relative importance of quality vis-a-vis cost aspects in the assignment, e.g. 70:30, 60:40, 50:50 etc).</p> <p>The proposal with the highest weighted combined score (quality and cost) shall be selected.</p> <p>(iv) The weight age of the technical parameters i.e. non- financial parameters in no case should exceed 80 percent.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
60	7	3.1	However, Bidder is to include one-time service charges for shifting of equipment from BSNL exchange to GFGNL shelter whenever ready as part of their BID and mentioned as service item in BoQ. The scope shall include de-installation, transportation, re-installation, configuration, commissioning, testing etc which requires as per GFGNL requirement including any additional item or replacement due to damage caused in shifting as the case may be, required for service delivery as part of BID scope.	<p>1. Request GFGNL to confirm details of equipment to be shifted.</p> <p>2. From this clause we understand that only existing OLTs need to be shifted but transport backbone for phase-1 OLTs need to be planned and is in scope of current tender. Request GFGNL to please confirm.</p> <p>3. Request GFGNL to confirm how the damage cost will be calculated, if any.</p>	Scope of shifting of phase-1 equipment is not clear	<p>The scope of this RFP is new deployment, and that is purposed for wider competition and more participations from non-existing OEM as well. Hence, the question of mass level shifting of equipment does not exist anymore.</p> <p>However, because of the certain circumstances even if any shifting requirement may arise in future in that case Rs 10,000/- per location shifting charges will be paid limited to shifting of supplied items under this scope of the RFP.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
61	13	6 ('c) (xii)	Bidder to ensure technical design to be aligned with Bid requirement from the first submission only, revision in the design is to be discouraged and will be penalized in terms of 1% reduction in total financial cost of solution per each revised submission.	As we understand, RFP is based on EPC. So, design and other aspects are left to bidder. Bidder will prepare the design based on tender requirement. Any change in the submitted design will arise from GFGNL for which bidder may have different understanding. So, bidder should not be penalized for any change in design due to GFGNL's understanding of solution. Hence, request GFGNL to remove the clause.	If GFGNL wants to get the design changed then bidder should not be penalised for the same	The improper design provided by the bidder which is lacking design uptime of the Network and over consumption of BharatNet assets then it is good reason to reject the design in lieu of simply penalizing. However, If GFGNL wants to get the design changed within the framework of RFP for fine tuning the traffic, ring shortening, single point of failure, latency and other upward revisions then bidder should not be penalized for the same. However, any known negligence of criteria, missed traffic capacity consideration, protection consideration, lower quantity supply will not be excluded from this clause.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
62	13	6 ('c) (xiii)	Any change/replacement of component than the submitted design (i.e. should be equivalent/better in technical aspect than the previous component) will be allowed with 5% reduction in component cost, subject to valid justification and at whole discretion of GFGNL.	As we understand, RFP is based on EPC. So, design and other aspects are left to bidder. Bidder will prepare the design based on tender requirement. Any change in the submitted design will arise from GFGNL for which bidder may have different understanding. So, bidder should not be penalized for any change in design due to GFGNL's understanding of solution. Hence, request GFGNL to remove the clause.	If GFGNL wants to get the design changed then bidder should not be penalised for the same	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
63	28	11(1)	<p>Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40 % of these active components) in last five years as on date of bid submission.</p> <p>— For each Project worth ≥ 16 Cr: 20 Marks</p> <p>— For each set of 2 projects worth ≥ 12 Cr: 15 Marks</p> <p>— For each set of 3 projects worth ≥ 8 Cr: 10 Marks</p>	Request GFGNL to confirm if one project worth ≥ 16 cr is of 20marks as in marking it is written, for each project worth ≥ 16 cr while in clause, only one project of 16crore is asked.	In the clause "each" project is mentioned for Project worth ≥ 16 cr while only single project is asked in the clause for ≥ 16 cr. So,"each" word needs more clarity	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
64	28	11(4)	<p>Space utilization (“U” in Size) at Site and State Data Center by proposed solution</p> <ul style="list-style-type: none"> — Least Size among Bid participants = 5 marks — Least Size to < 150% of Least size = 3 marks — > 150% of Least size = 2 marks <p>Power Consumption (“KWH” in Unit per Hour) at Site and State Data Center by proposed solution</p> <ul style="list-style-type: none"> — Least Units among Bid participants = 5 marks — Least Size to < 120% of Least size = 3 marks — > 120% of Least size = 2 marks 	<p>As asked technology in tender is IP-MPLS which is very new for Indian OEMs. So, to encourage the participation of Indian OEMs, request GFGNL to remove the clause as GFGNL has already defined space and power requirements in SDC (max 4 racks will be provided) and as per for financial bid format on page-66 of RFP, every RU space and every KWH power, bidder is paying the price.</p>	<p>It is restrictive clause for Indian OEMs as IP-MPLS is comparatively new technology for Indian OEMs then MPLS-TP.</p>	<p>It is very important factor to minimize the Power and space budget. Hence, It is expected to provide the products which are not consuming un-necessary space and power and burdening the GFGNL monthly expenses.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
65	28	11(5)	<p>Presentation: -</p> <p>a) Previous Project Handling Experience, Approach and Methodology, Faster rollout– 8 marks</p> <p>b) Industry deployment use cases by OEM (For Global -4, For Global & India - 4) – 8 marks</p> <p>c) Network design (HLD / LLD), Traffic Engineering – 5 marks</p> <p>d) Operational Plan, Training, Knowledge transfer & Network Handover strategy to existing O&M partner – 5 marks</p> <p>e) Value added services , EMS features, functionality, Dashboard report, NOC experience – 8 marks</p> <p>f) Re-deployment plan of existing transport network along with service support – 6 marks (For Package A - 3 marks</p>	<p>1. As asked technology in tender is IP-MPLS which is very new for Indian OEMs, so as per (b) clause of mentioned clause, Indian domestic vendors may not have global use cases. So, request GFGNL to remove Global use cases from clause(b) of mentioned clause.</p> <p>2. As per RFP clause 12 (u), page- 31, LLD need to be submitted during the POC. So, from part (c) of the clause we understand that bidder need to submit only HLD to get 5 marks.</p> <p>3. Some of the bidders may be existing O&M partner of GFGNL. So, as mentioned in part (d) of the clause, Network handover may be a conflict of interest if bidder and</p>	<p>It is restrictive clause for Indian OEMs as IP-MPLS is comparatively new technology for Indian OEMs then MPLS-TP.</p>	<p>The Transport network is very critical technically and any un-researched technology may adversely impact all the underlined investment in the BharatNet. Thus, this qualification assessment is specifically provisioned to assess expertise, proven product, and traffic design on quoted technology / product line. The evaluation on any other technology which is not sought under this RFP is not much of relevance.</p> <p>The intend of the RFP is to ascertain evaluation on quoted technology and wider acceptability in the market to de-risk BharatNet.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			& For Package B – 3 marks)	<p>O&M partner are same. Hence, request GFGNL to amend the clause and remove "Network handover strategy" from the clause.</p> <p>4. Request GFGNL to elaborate what does NOC experience mean and how it will be quantified.</p> <p>5. Also request GFGNL to confirm that "e" sub part of mentioned clause has many sub parts so how each part will be evaluated.</p> <p>6. Some of the bidders may be existing partners of GFGNL. So during evaluation re-deployment plan may give the existing O&M partners advantage above other bidders. Hence, request GFGNL to remove the clause</p>		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
66	30	12(a)	The Bidder shall be responsible for the supply, installation, testing, and commissioning of the Transport Backhaul network based on IP-MPLS with Integrated Coherent Optical features (IP-MPLS over DWDM) / Routed Optical Network (RON) features and seamless integration with any 3rd Party Optical Line System, including all associated equipment, as per the RFP, enabling high-capacity, dynamic, and intelligent advanced traffic management.	As per our understanding from previous tender no. GFGNL/GFG/e-file/263/2023/0122 Corrigendum VI (S.No.3), bidder cannot use existing equipments and all the proposed equipments should be new. Hence, request GFGNL to clarify the same.	Use of existing equipments should not be allowed and all the proposed equipments should be new.	The scope of this RFP is new deployment, and that is purposed for wider competition and more participations. However, this new deployment of transport network must adhere open interfaces and interoperability and compatibility with edge/access network elements. This is basically to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.
67	30	12(h)	Proposed solution must be working and proven in telecom industry. Bidder / OEM to present use cases of deployed solution at multiple locations and in multiple projects in recent project during technical presentation and has to	Field visits could be facilitated on a best-effort basis, subject to pre-existing confidentiality agreements with the existing customers. Therefore, we request GFGNL to amend the clause to reflect that	Pre-existing confidentiality agreements with the existing customers	The Proving installation and client base is the responsibility of the score seeker. The GFGNL will minimize the pain area of confidentiality related conflicts and assure no privacy infringement because any act of GFGNL.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			arrange a technical team visit based on request of GFGNL, if within India.	customer visits will be conducted on a "best effort basis."		
68	30	12(i)	It will be binding will be binding to bidder to conduct POC (Proof of Concepts) of proposed solution as per requirement of GFGNL including LAB testing in time bound manner (10-15 working days) as well as field testing on a sample basis (over deployed network), covering all features & services test scenario to ensure the proposed solution deemed working & acceptable to GFGNL. The bidder and OEM have to confirm open interface solution and ensure synergy with at least (but not limited to) two different OEM product selected by GFGNL during POC procedure.	Conducting a POC in the field is a costly undertaking, as it involves additional taxes and poses a risk of equipment damage during transportation. Considering the scale of the network and the associated services, we request GFGNL to limit the scope of the POC to lab environments only.	POC related costs and risks in the field is high.	<p>This is very important and non-negotiable clause, working relationships in this critical and specialized workmanships. Failing on this is good reason to terminate the workorder. For the purpose of reiterating the intent the respective clause is reproduce herewith.</p> <p>Refer the Page-40 section 6(b) - (a- The one part is, technical configuration, right traffic engineering/re-engineering, identification of stress point, and overall solution within one jurisdiction and one pocket (i.e.one block and one district, internet breakout, Intranet) and with an objective to validate and freeze the technically implementable aspects with active role of expert which is OEM in this case. OEM has to ensure successful implementation of pilot block and pilot district first which will be replicated in rest geography by bidder</p> <p>The failure during this pilot pocket shall be the good reason for termination of the entire workorder without any scope of negotiation or doubts.</p> <p>The failure shall be considered risky</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						propositions for replicating the problems and hence without paying any financial compensations the workorder shall be terminated and the entitlement for issuing the workorder to next in sequence may be considered as already stipulated provision in the RFP.
69	31	12(w)	For buyback option, bidder will be allowed to collect existing/old equipment only after complete Go- Live and successful running of new solution as per RFP criteria including colling period & ensuring HoTo completion.	The buyback option for other OEM equipment may result in legal implications, as these devices cannot be further deployed due to both technical and legal challenges. Additionally, any legal disputes raised by other OEMs should be handle by GFGNL. To avoid such challenges and considering that the equipment will hold no utility for other OEMs. Hence,we request GFGNL to remove the buyback clause from the RFP and also remove the	Legal Implication arises due to buyback option should not be handled by bidder as bidders do not know under what contract conditions equipments were purchased by GFGNL.	To Avoid legal implications, the bidder may protect the financial interest of the Government by paying reasonable buyback quote or being the expert of the transport network, the bidder may suggest re-deployment of old equipment for greater benefit of BharatNet. The essence is for wider competition we are not insisting for integration of new product line with buyback equipment.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				S.No.5 of Buyback option from Financial Bid format at Page-66 of RFP.		
70	31	12(x)	One-time redeployment option is separate network solution to optimize use of old equipment and is not linked with this BID proposed solution.	Request GFGNL to confirm which equipment need to re-deployed as per scope of RFP.	All the equipments should be proposed by bidder should be new. So, need to understand the scope of re-deployment as per mentioned clause.	We are not insisting for re-deployment (dismantling) of existing devices. It is optional. One can offer lucrative buyback offer or alternatively the existing devices may be re-deployed for mitigate govt. losses, in some clusters without compulsion of integration with the new devices. The ask of integration of old with the new devices is avoided for wider competition and allowing new OEMs equal chance to deploy.
71	33	12.3 1	The bidder must maintain a sufficient inventory of spare parts (at least 5% of the supplied quantity, zone-wise) to meet the required SLA commitments	Request GFGNL to confirm if spare parts need to be calculated on total proposed BOQ or zone wise. If it is zone wise, then how many zones are there and also confirm if each zone should have 5% spares ?	As per mentioned clause, 5% spares should be considered zone-wise.	We are planning Two packages and Six zones in BharatNet Ph-III. The spare is non-negotiable provision to keep MTTR low.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
72	31	12 ('r)	The selected bidder has to check pre-feasibility of space and power at GFGNL shelters/co-located BSNL sites. Bidder has to reserve the space with predefine drawing from GFGNL competent authority and arrange power from GFGNL provided power tapping point with prior approval of GFGNL competent authority	As per the previous tender (GFGNL/GFG/e-file/263/2023/0122) and the document "Workshop Presentation and Query Response_RFP-Backhaul Network Upgrade (DWDM)_V1 Note 44," site details, including AC/DC power supply, available rack space, and other relevant information, were provided on pages 62 to 94. We kindly request GFGNL to provide similar details for this RFP as well.	Site details are missing in this RFP while similar details were provided in previous tender.	The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap and shared existing network details for better understanding. Bidder to supply appropriate power conversion system in their scope checking pre-feasibility.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
73	39	13(1)	Bidder has to implement solution with “IP-MPLS with Integrated Coherent Optical features (IP-MPLS over DWDM) / Routed Optical Network (RON)” transport technology.	<p>From this clause, we understand that IP-MPLS is a core technology, and IP-MPLS with coherent optics represents an application of this technology. IP-MPLS can also be implemented with grey optics, depending on the specific requirements.</p> <p>Therefore, IP-MPLS is identified as a core technology, while coherent optics is an application of it. We kindly request GFGNL to confirm this understanding.</p>	Coherent Optics/Grey optics is part of application, not of technology.	The bidder needs to meet the functionality as per RFP scope.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
74	39	13(3)	<p>The proposed solution should be scalable to 10Gbps bandwidth in ring architecture with protection at each sub-block locations (Called as OLT location now), TC and DC locations from SDC from with minimum additional hardware/software requirement i.e by inserting only additional Card, SFP and related licenses,patch-cords, other consumable active and passive item if required in future on discovered rates based on BOQ in this RFP.</p>	<p>In the previous tender (GFGNL/GFG/e-file/263/2023/0122), all chassis were required to support a 2Gbps per OLT solution, with upgrades to 6Gbps and 10Gbps per OLT achieved by proposing additional cards, SFPs, patch cords, and other necessary consumable active and passive items.</p> <p>Based on this precedent, please confirm whether the chassis for the 10Gbps upgrade must be proposed with an initial 3Gbps per OLT requirement or if the chassis can be proposed along with additional cards, SFPs, patch cords, and other consumables specifically for the 10Gbps upgrade.</p>	<p>Mentioned clause is not clear about when additional chassis for 10Gbps solution need to be proposed.</p>	<p>Scalability is the core essence of this RFP and it is to be met without changing the technology and underline equipment to avoid down time while upgradation. Hence, this specific ask of scalability is non-negotiable and non- admissible without saying or writing in words.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
75	39	13(5)	<p>The solution should be built to provide the maximum protection for the services by using of any of the available fiber paths to protect the traffic. Selected bidder may advice for Ring shortening/Re-engineering for designing robust solution. All the supplied equipment must be capable to support minimum 2CNO (Three Path protection) with 100G/200G line interfaces. Bidder must ensure minimum 50% of sites to be provided minimum 2CNO with all requisite hardware/software requirements at Day-1, with capability to support 3CNO (Four path Protection), 4CNO (Five Path protection) depending on number of fiber route and with <50ms switch over time. GFGNL will share the</p>	<p>Bidders typically propose a hierarchical network architecture, where Aggregation (Agg) rings and Pre-Aggregation (Pre-Agg) rings are formed. According to the RFP requirements, Agg rings will utilize coherent optics with an Nx100G/200G line rate, while Pre-Agg rings will operate at Nx10G/25G/50G.</p> <p>To maintain the hierarchical architecture, traffic from the Agg ring should not flow into the Pre-Agg ring in the event of 2CNO/3CNO, as this would compromise the network's architecture and make operations and maintenance (O&M) more challenging.</p>	<p>During restoration/switching, traffic from Aggregation rings should not flow to via Pre-aggregation ring as traffic capacity calculation is not possible.</p>	<p>This is EPC design and expertise of the OEM and bidder is implied to plan such mammoth network to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			name of the sites once bidder selected for the contract. In future, Additional sites where 2CNO required more than 50% will be purchased on BOQ discovered prices	We request GFGNL to confirm this understanding.		
76	40	13 (6)'(c)	Avoid single-location or single equipment dependencies.	<p>From the clause, we understand that both existing and new fiber directions must be considered for planning, and the pre-aggregate ring should not terminate or rely on a single piece of equipment at a single site.</p> <p>We kindly request GFGNL to confirm if this interpretation aligns with the clause's intent.</p>	Need clarification on number of fiber cores will be provided for aggregate and pre-aggregate rings.	Functionality and objectivity of the RFP is to be retained while EPC design.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
77	40	13 (6)'(c)	Fiber Usage for transport device: The Bidder must use a maximum of two fiber cores (01 Pair) between transport devices.	From the clause we understand that 2 fiber cores will be provided for aggregate ring and additional 2 fiber core will be provided for pre-aggregate ring. Request GFGNL to confirm if this understanding is correct	Separate 2 fiber pairs for each aggregate and pre-aggregate rings need to be confirmed.	Functionality and objectivity of the RFP is to be retained while EPC design with bare minimum use of fibre cores as default strategy.
78	40	13 (6)'(c)	Fiber Usage for OLT ring: GFGNL will provide additional two fiber cores (01 pair) for OLT-OLT ring, maximum 5 OLTs to be planned in any 50 Gig capacity dual homed ring. In exceptional cases 6 OLTs are allowed subject to GFGNL approval.	As we understand, for both 3Gbps per OLT and 10Gbps per OLT requirement, 5-6OLTs which will be connected should be sequential in nature and after every 5-6 OLTs, bidder need to propose aggregate node. Request GFGNL to confirm if this understanding is correct.	Need to understand if ring splitting need to be done in sequential manner or non-sequential manner	Functionality and objectivity of the RFP is to be retained while EPC design with bare minimum use of fibre cores as default strategy.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
79	40	13 (6)'(c)	End-end Optical Link distance should be around 300Kms. 10% variance in Optical link distance will be allowed in consultation with GFGNL.	As per understanding, 300Km distance is between 2 Agg nodes. Request GFGNL to confirm if this understanding is correct.	Need clarification	As per RFP clause section 6-c(Fibre loss) on page- 40.
80	41	13 (6)'(c)	Core Layer: Should be capable of supporting multiple 100G to 400G interfaces	The current RFP is an EPC-based RFP, where bidders are responsible for designing the network. Therefore, the decision regarding coherent interface requirements should be left to the bidders, provided the RFP's end goal—achieving 3Gbps per OLT, upgradable to 10Gbps per OLT—is met.	As this RFP is EPC based, bidder should be given the option to exercise its design capabilities.	As per RFP
81	41	13 (6)'(c)	Core Layer: Solution equipment should have redundant power card, fan modules,controller card/Switch Fabric and achieve hot-swappable requirement Aggregation Layer: Solution equipment should have	Request GFGNL to confirm if following understanding is correct : 1. Core Layer means equipments at SDC only ? 2. Aggregate Layer means equipments	Need clarification on type of equipments.	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			redundant power card, fan modules, and achieve hot-swappable requirement.	connecting with SDC from aggregate slots and Pre-aggregate equipment from Trib slots? 3. Pre-Aggregate Layer means equipments connecting with Aggregate layer from aggregate slots and OLTs from Trib slots?		
82	41	13 (6)(c)	Core Layer: Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swappable requirement.	As per TEC 48050:2024 of IP-MPLS, we understand that core layer equipment with 800G switching capacity need to be chassis based modular router. Request GFGNL to confirm the same.		Refer sr. no. 174
83	41	13 (6)(c)	Core Layer: Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swappable requirement.	From the clause, we understand that core layer equipment at SDC and in core layer should have redundant controller also along with redundant power modules and redundant fans.	In the mentioned clause, controller card redundancy is required or not is not clear.	Refer sr. no. 174

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
84	-	New	Equipments at Pre-Aggregation layer	Request GFGNL to confirm following at Pre-Aggregation layer : 1. Redundant controller 2. Redundant Fans 3. Redundant power modules 4. Type of Equipments at Pre-Agg Layer -AC or DC	Pre-Aggregate equipment requirement is missing in RFP.	Kindly refer additional clause table.
85	41	13 (8)	At SDC location, all proposed network equipment must have 1:1 active - active redundancy at hardware level for 100% uptime of all the services	Regarding active-active 1:1 redundancy, we understand that two separate chassis will be used, with the aggregation ring terminating on both chassis and interconnectivity established between them. Tributary cards terminating the aggregate rings at core equipment, will be non-redundant on each chassis but will be protected through the use of the two chassis.	Need clarification on active-active architecture	As Per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				We kindly request GFGNL to confirm if this understanding is correct.		
86	41	13(9)	At Sub-block, Taluka Center and District Center locations, all proposed network equipment must have line interfaces (i.e Number of 100G, 200G and 400G Interfaces) which is capable to serve for multipath protection paths in mesh topology up to SDC without compromising bandwidth delivery if primary/main path fails and must have client interfaces to serve the Access rings of Gram Panchayats traffic as well as GSWAN services. Hence, there will be no extra requirement for network equipment/devices for Phase-3 and GSWAN	Request GFGNL to elaborate the requirement	Request GFGNL to elaborate the requirement	The nature of RFP is EPC and the scope is to cater past, Present and future BharatNet (upto BharatNet Ph-III). The Selection criteria of bidder is fundamentally on premises of knowledge of BharatNet. The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
87	41	13(16)	The solution must enable inter-district and block-level services without routing traffic through the SDC. The system should support direct traffic delivery between any sub-block and another sub-block across districts.	Request GFGNL to confirm the inter-island bandwidth. i.e. Bandwidth requirement from Island-1 - Island-2 : Island-1- Island-3 : Island-1- Island-4 : Island-2- Island-3 : Island-2- Island-4 : Island-4- Island-3 :	inter-island bandwidth requirement is not mentioned in RFP.	Pl. refer RFP clause 13.a.5 table on page 39 for minimum requirement for designing the transport carrying capacity originated from subblock, DC, TC and traversing through the entire transport layer including 2CNO up to SDC. It is further clarified that 2CNO related equipment and span of the segmented path must be designed to carry 100 % originated traffic without any dilution. However, to control the cost the above provision is lower down in design stage itself for managing eventualities time span i.e. failure and isolation of any island with SDC, failure of 2CNO. Inter-Island and 3CNO/ 4CNO bandwidth requirement should be minimum 100 Gbps to minimize the cost and equal understanding for all bidders. In case, if the augmentation of traffic capacity need to be added to deal eventualities in more better way i.e. more BW on inter island and 3CNO, 4CNO connect span, then GFGNL will pay for the same.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
88	41	13(16)	<p>The solution must enable inter-district and block-level services without routing traffic through the SDC. The system should support direct traffic delivery between any sub-block and another sub-block across districts.</p>	<p>We request GFGNL to confirm whether each island is required to carry traffic from the island to the SDC. Additionally, if all paths from a respective island are cut off, isolating it from the SDC, the traffic from the isolated island should not be routed through other islands to the SDC via interconnectivity.</p> <p>Please confirm if this understanding is correct. If it is expected that the entire traffic from one island will be routed to the SDC via another island, the bandwidth requirements at both the SDC and within the island would be significantly higher, with no added benefit to GFGNL.</p>	<p>Need clarity on Island-Island bandwidth requirement</p>	<p>Pl. refer RFP clause 13.a.5 table on page 39 for minimum requirement for designing the transport carrying capacity originated from subblock, DC, TC and traversing through the entire transport layer including 2CNO upto SDC. It is further clarified that 2CNO related equipment and span of the segmented path must be design to carry 100 % originated traffic without any dilution.</p> <p>However, to control the cost the above provision is lower down in design stage itself for managing eventualities time span i.e. failure and isolation of any island with SDC, failure of 2CNO. Inter-Island and 3CNO/ 4CNO bandwidth requirement should be minimum 100 Gbps to minimize the cost and equal understanding for the all bidders.</p> <p>In case, if the augmentation of traffic capacity need to be added to deal eventualities in more better way i.e. more BW on inter island and 3CNO, 4CNO connect span, then GFGNL will pay for the same.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
89	42	13(18)	Bidder must utilize existing space and infrastructure available at GFGNL-owned shelters or BSNL exchanges.	<p>As per the previous tender (GFGNL/GFG/e-file/263/2023/0122) and the document "Workshop Presentation and Query Response_RFP-Backhaul Network Upgrade (DWDM)_V1 Note 44," site details, including AC/DC power supply, available rack space, and other relevant information, were provided on pages 62 to 94.</p> <p>We kindly request GFGNL to provide similar details for this RFP as well.</p>	Site details are missing in this RFP while similar details were provided in previous tender.	<p>The nature of RFP is EPC and the scope is to cater past, Present and future BharatNet (upto BharatNet Ph-III).The Selection criteria of bidder is fundamentally on premises of knowledge of BharatNet. The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap. We are providing Phase-II related details. The bidder may go through and plan the rack space in existing rack (as is basis and as available basis) or new rack without any additional cost to GFGNL.</p> <p>Further it is clarified that for remaining locations (other than Phase-II), the GFGNL is obliged to provide rack space as part of BharatNet Ph-III project. In other words, the bidder of this RFP should not factor in the cost of new rack in the remaining locations.</p> <p>Even in the larger interest of the speedier roll out and some of timing related constraints, if requirement of new rack (as per BID specification) persists then GFGNL will pay Rs. 20,000 per rack cost to bidder including supply, installation, commissioning, power extension, warranty during contract duration.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
90	42	13 (18)(d)	The bidder is responsible for providing telco-grade rack-mounted AC-to-DC power plants with redundancy at the SDC and will be installed in Racks.	Request GFGNL to confirm if AC-DC power plants will be in addition to 4 racks provided for equipments.	Need more clarification	The all-associated requirements for deploying and running the equipment is the full responsibility of bidder without additional ask than RFP.
91	43	13 (19)(c)	In case of AC Power availability at TC/DC locations, Bidder has to ensure DC Power provisioning with redundancy, by procuring and integrating proper power conversion system.	As per the previous tender (GFGNL/GFG/e-file/263/2023/0122) and the document "Workshop Presentation and Query Response_RFP-Backhaul Network Upgrade (DWDM)_V1 Note 44," site details, including AC/DC power supply, available rack space, and other relevant information, were provided on pages 62 to 94. We kindly request GFGNL to provide similar details for this RFP as well.	Site details are missing in this RFP while similar details were provided in previous tender.	The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap and shared existing network details for better understanding. Bidder to supply appropriate power conversion system in their scope checking pre-feasibility.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
92	43	13(21)	Nodes should be capable to support both DC and AC power inputs as per site requirements. For OLT location (Shelter), GFGNL has DC power plant. However, for rest of location, based on site feasibility, Bidder will be liable to arrange power source or converter keeping in consideration of SLA requirement.	As per the previous tender (GFGNL/GFG/e-file/263/2023/0122) and the document "Workshop Presentation and Query Response_RFP-Backhaul Network Upgrade (DWDM)_V1 Note 44," site details, including AC/DC power supply, available rack space, and other relevant information, were provided on pages 62 to 94. We kindly request GFGNL to provide similar details for this RFP as well.	Site details are missing in this RFP while similar details were provided in previous tender.	The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap and shared existing network details for better understanding. Bidder to supply appropriate power conversion system in their scope checking pre-feasibility.
93	43	13(22)	The solution must ensure the elimination of Single Points of Failure (SPOF) at critical locations	Request GFGNL to provide list of critical sites.	Need to know the critical site list.	The nature of RFP is EPC and the scope is to cater past, Present and future BharatNet (up to BharatNet Ph-III).The Selection criteria of bidder is fundamentally on premises of knowledge of BharatNet.The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
94	51	13 (B)(5)	FE/GE,10G,25G,100G,200G,300G,400G and E1, STM-1/4/16 using CES Interface	<p>Not all offered equipment require every interface, such as FE/GE/STM-1/STM-4/STM-16/E1 interfaces, which may not be necessary at the SDC. Similarly, 300G/400G interfaces may not be needed at the aggregation sites.</p> <p>We request GFGNL to segregate the interface requirements according to the proposed equipment. Additionally, as the minimum interface standard nowadays is STM-1/4/16, we kindly request GFGNL to remove the E1 interface requirement.</p>	Need to segregate interfaces based on layers in which they will be proposed	<p>At SDC level, ask of E1 interface is optional. For dropping locations, the E1 interface is optional in the equipment. However, on specific ask of some govt. client, for E1 and other interface, then it is mandatory for the bidder to work around without any cost to the GFGNL.</p> <p>300G/400G interfaces are optional at the aggregation sites</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
95	51	13 (B)(6)	Electrical, Colored C/DWDM, Tunable, Coherent, non-colored, Compact SFP (CSFP), SFP+, QSFP28, CFP2, CFP, and bidirectional CSFP/SFPs/ SFP+s	In the Previous tender - GFGNL/GFG/e-file/263/2023/0122, CWDM,Electrical Interfaces were not asked. Also, the latest IP-MPLS TEC GR - 48050:2024 does not ask about these interfaces. Hence, request GFGNL to remove the CWDM and electrical interfaces.		As per RFP
96	51	13 (B)(17)	Support NTP, SyncE with ESMC, Integrated GNSS receiver, IEEE 1588v2 PTP (including G8265, G8273, G8275 profiles as applicable), External timing 1PPS and TOD. It should have internal Stratum 3E clock with holdover time of at least 4 hours.	Integrated GNSS receiver is mainly used for LTE wireless network. Current RFP requirement is not for wireless network. Hence, request GFGNL to remove the same.	Application of Integrated GNSS receiver is for Wireless networks which is not in the RFP scope.	It is the functional and business requirement of GFGNL

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
97	52	13 (B)(18)	Control-plane and management plane protection,RADIUS (client authentication) Local Packet Transport Services (LPTS) Authentication,Authorization, and Accounting (AAA), Terminal Access Controller Access-Control System Plus (TACACS+),Secure Shell (SSH) Layer 3, ingress and egress ACLs for IPv4 and IPv6,Layer 2 ingress ACLs, MACSec,Unicast Reverse Path Forwarding (Unicast RPF),IEEE802.1x	LPTS is a proprietary protocol and is not supported by all OEMs. We kindly request GFGNL to remove the LPTS authentication requirement. Hence, it is a restrictive clause for other OEMs. MACSec feature is required for L2 Networks, not for routing L3 requirements. Scope of current RFP is for L3 networks. Hence, request GFGNL to remove the clause.	LPTS is a proprietary protocol and MACSEc is required for L2 networks.	Local Packet Transport Services (LPTS) Authentication or equivalent is allowed
98	52	13 (B)(20)	Ethernet OAM (IEEE 802.1ag and ITU-T Y.1731), IP SLA, MPLS OAM (link BFD, Ping, Trace-route), Y.1564, RFC 2544 Generator,Model/Event Driven Telemetry	IP SLA is a is proprietary term used by specific OEMs. Hence, request GFGNL to allow IP SLA or equivalent.	It is a restrictive clause for more participation	IP SLA or equivalent is allowed

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
99	41	6("c)(5)	The Proposed solution must support multiple integration with 3rd party Analytic platforms like ITSM platforms like ticketing tools using Webhook, API and Open telemetry.	From the clause we understand that Bidder will extend the standard APIs for standard NBI and all the integration will be in the scope of 3rd party Analytic OEM. Please confirm if this understanding is correct	Need to define the scope of bidder in the clause.	Yes
100	50	24 (d)(11)	Below services should be offered as part of security offering, but not limited to: Network CIA (Confidentiality-Integrity-Availability), Network Segmentation, Firewalls, Cyber security, Authorization-Authentication and Accountability(AAA), SSL(Secure Socket Layer) Visibility and analysis Solution,The Principle of Least Privilege, Strong authentications, SIEM (Security Information and Event management), Security orchestration, Automation, and	The scope of the RFP and the requested technology is focused on IP-MPLS/ROADM. However, security offerings such as SIEM and related products require a comprehensive range of security solutions, which are relatively new and less established for Indian OEMs. We kindly request GFGNL to remove the security-related offerings from the clause to align with	Security related offerings are disadvantage to Indian OEMs.	Security Products is not a part of this RFP. The scope of security product would be part of separate RFP and the bidder is to extend full support while execution of separate RFP. The offer product is capable enough for vulnerability test as per the pre-define laws and compliances of the DoT/TRAI/GoG/CERT/etc. Thus, offered product /solution must adhere to security norms, prevailing security practices and it should not limit functionality of security activations.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>response (SOAR), Vulnerability Assessment Solution, User and entity behavior analytics (UEBA), NDR (Network detection and response), XDR (Extended detection and response), a Zero Trust Internet Security, Data Leak Prevention (DLP), Log repositories, Online log retention, Antivirus and antispam solutions at gateways, Endpoint Detection and Response (EDR), Patch Management etc., WAF(Web Application Firewall) and SLB (Server Load balancer), Link load Balancer, DDOS (Distributed denial of services) and DNS Security, VPN.</p>	<p>the core focus of the RFP.</p>		
101	41	6("c)(15)	<p>Latency measurement of each service from end device at customer premise should be done in real time and actions</p>	<p>Continuous real-time latency measurement requires significant resources and monitoring infrastructure. In</p>	<p>Implementing such a rigorous, real-time monitoring system for</p>	<p>It is the functional and business requirement of GFGNL. The responsibility of bidder to quote product having this functionality.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			should be taken to rectify is issues seen	some cases, achieving this level of monitoring for every service may not be technically possible or could introduce performance overhead, negatively impacting the network. Hence request GFGNL to remove the latency measurement in real time.	every service at the customer premise could result in high operational costs and increased complexity in network management . This could impact the overall efficiency and scalability of the network.	
102	39	13(5)	The solution should be built to provide the maximum protection for the services by using of any of the available fiber paths to protect the traffic. Selected bidder may advice for Ring shortening/Re-engineering for designing robust solution. All the supplied equipment must	As per TEC 48050:2024 of IP-MPLS, 1:1 switching should happen in less than 50ms and there is no mention of switching time for 2CNO,3CNO ,4 CNO (or 1:N protection). Hence, request GFGNL to restrict the switching time less		Faster switching is the key functional requirement of this vast network as it is purposed for Transport Network. The entire design is EPC based where optical switching time is one of the key and non-negotiable consideration. Any attempt for sub optimal equipment or improper workmanship trigger to higher switching time is good reason for reject the solution during district pilot without any compensation. However, to meet general Telco practice

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>be capable to support minimum 2CNO (Three Path protection) with 100G/200G line interfaces. Bidder must ensure minimum 50% of sites to be provided minimum 2CNO with all requisite hardware/software requirements at Day-1, with capability to support 3CNO (Four path Protection), 4CNO (Five Path protection) depending on number of fiber route and with <50ms switch over time. GFGNL will share the name of the sites once bidder selected for the contract. In future, Additional sites where 2CNO required more than 50% will be purchased on BOQ discovered prices</p>	<p>then 50ms for 1st cut only.</p>		<p>and to control the cost, the optical switching over next redundant path must not exceed 50 ms.</p>
103	49	6("c)(13)	<p>The proposed solution should have the Observability glass-pane which could ingest and</p>	<p>Observability platform which is a standalone VM, sits on the same server as the NMS and</p>	<p>Need more understanding of the requirement.</p>	<p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			demonstrate both network and Application SLA's on a Single glass-pane as per the requirement.	collects and presents network SLA's. We need better understanding of what application SLA's are needed, and how to get this data.		<p>terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is essentially to integrate above EMS related aspects in the open interface of unified NMS of GFGNL for the BharatNet network assets. We are further exploring to get advance NMS system(network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
104	45	23	<p>Dynamic Path Computation</p> <ul style="list-style-type: none"> o Algorithms for optimal path computation based on bandwidth, latency, and resource availability. o Automated failover mechanisms for resiliency. 	<p>Mentioned functionality in the clause is done using controllers. Current tender scope is for bidder to provide EMS. EMS can expose APIs which can be used by an SDN controller to program the network. Request GFGNL to remove the clause</p>	<p>urrent tender scope is for bidder to provide EMS. EMS can expose APIs which can be used by an SDN controller to program the network.</p>	<p>The quoted boxes having proper controllers and EMS of the OEM must have technology led automation of the network for efficient switching and detection of redundant path. The technology solution must offer all standard and widely demand features in the Telco-grade networks in terms of traffic speed, switching speed. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets.</p>
105	49	24 ('C)(2)	<p>The Proposed solution should support following multiservice monitoring like Education service, Anganwadi service, tele health service, government applications and the following ISP, SaaS based applications, BGP prefix/routing, DNS, Multi Cloud, SD-WAN, Hybrid WAN, Network device health,VPN gateway, and VoIP.</p>	<p>In accordance with the scope of the tender, the bidder shall be responsible for managing its own IP-MPLS network services. However, it is not feasible for the IP-MPLS bidder to monitor third-party applications and services. Therefore, we respectfully request GFGNL to consider the removal of this clause.</p>	<p>Third party monitoring is not in the scope of bidder</p>	<p>Service monitoring is not a part of this RFP. The scope of service monitoring and other aspects would be part of separate RFP and the bidder is to extend full support while execution of separate RFP.</p> <p>The offer product and technology solution should not limit the purpose of monitoring multi services and end deliverables.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
106	49	24 ('C)(6)	The proposed solution should be able to monitor the individual ISP Links for all hosted applications. Solution should have the ability to automatically detect Internet outages in ISP networks to help identify the problem area of outages	From the clause, we understand that monitoring and internet outage detection of ISP network is not in the scope of bidder as ISP network belongs to ISP Vendor. Request GFGNL to confirm the same.	Third party monitoring is not in the scope of bidder	Service monitoring including ISP / internet breakout detection is not a part of this RFP. The scope of service monitoring and other aspects would be part of separate RFP and the bidder is to extend full support while execution of separate RFP. The offer product and technology solution should not limit the purpose of monitoring of services & link and end deliverables.
107	49	24 ('C)(8)	The proposed solution should monitor the cloud-based unified communication and collaboration platforms like MS teams, Webex, Zoom, Google meet etc. of any other defined for their performance monitoring.	In accordance with the scope of the tender, the bidder shall be responsible for managing its own IP-MPLS network services. However, it is not feasible for the IP-MPLS bidder to monitor third-party applications and services. Therefore, we respectfully request GFGNL to consider the removal of this clause.	Third party monitoring is not in the scope of bidder	Accepted and responded as above Sr No 105,106

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
108	49	24 ('C)(9)	Real time visibility & monitoring of both Network and Application(s) for better co-relation of the Service impact pro-actively rather than re-actively. (Milli Second Level visibility: 20pps to 1000 pps for real time monitoring) for continuous real time KPIs and SLA reporting	In accordance with the scope of the tender, the bidder shall be responsible for managing its own IP-MPLS network services. However, it is not feasible for the IP-MPLS bidder to monitor third-party applications and services. Therefore, we respectfully request GFGNL to consider the removal of this clause.	Third party monitoring is not in the scope of bidder	The offer product and technology solution should not limit the purpose of monitoring of services & link and should be capable to support the requirement.
109	50	24 ('d)(10)	Enable prevention and containment of threat based on abnormal activity through early notification/alerting of suspicious activity and also have the ability to quickly respond to a containment mechanism.	In accordance with the scope of the tender, the bidder shall be responsible for managing its own IP-MPLS network services. However, it is not feasible for the IP-MPLS bidder to monitor third-party applications and services. Therefore, we respectfully request GFGNL to	Third party monitoring is not in the scope of bidder	The offer product and technology solution should not limit the purpose of monitoring of services & link and should be capable to support the requirement.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				consider the removal of this clause.		
110	51	13(B) (8)	All Layer-2 and Layer-3 Services, IPMPLS, MEF CE3.0 (E-Line, ELAN,E-Tree, E-Access, E-Transit), PN and VPN based Ethernet and IP, EVPN, Segment routing, Link Aggregation (LAG)	Request GFGNL to confirm the "PN" in the clause.	Need more clarification	PN stands for Private Network
111	52	13(B) (21)	CLI, SNMP MIB, NETCONF/gRPC (XML, JSON, GPB), YANG models (native, open: OpenConfig, IETF), RPM-based SW infrastructure Zero-Touch Provisioning (ZTP)	From the clause, we understand that YANG model can be implemented either with native or anye of open models(Open Config or IETF) . So, request GFGNL to amend the clause accordingly.	Need more clarification as only one type of modelling will be implemented in the GFGNL network, not all the type of modellings.	The offer product and technology solution should not limit the purpose of monitoring of services & link, and should be capable to support the requirement.
112	30	12-n	For successful implementation of the project, the Bidder, shall designate one employee for each package as single point of contact (SPOC) for GFGNL throughout this project. Bidder shall provide	As per clause 12-n we have to depute One SPOC GFGNL NOC Gandhinagar for each package(2 Packages).Total 2 Engineers to be deployed.Please	These details are required to understand the project scope of work & work on costing	For resources requirement during project Implementation phase, Pls refer RFP section 12.7 and 2 (1 for each package) technical resources at NOC for entire O&M period of 10 years considering shift management shall be provided by bidder.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			the contact numbers, e-mail id and other relevant details of the SPOC to GFGNL. The SPOC need to be based at GFGNL NOC during the project implementation phase.	clarify Request to add this as part of Services Schedule of requirements(SOR).		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
113	30	12-o	The Bidder shall also be required to provide one person at GFGNL office-Gandhinagar-for each package for day to day activities like fault rectification, reconfiguration etc. from the date of Go-live to three months or till the contract completion including weekends and public holidays. The deputed personnel must be Engineering Graduate and OEM trained. The selected bidder has to provide 24*7 support, at least one person per packages for 3 shifts need to be manage the integration and operation support, this is indicative requirement, bidder should increase resources as per quantum of work or escalation from GFGNL.	<p>1.For day to day activities 1 engineer for each packages.(2 Engineers). Are these additional other than SPOC as mentioned in cl.12-n.Please clarify.</p> <p>2.For 24x7 Support at NOC Bidder has to deploy 4 Engineers each for 2 packages. Total 4x2=8 Engineers.Please clarify. Request to add these engineers requirement as part of Services Schedule of requirements(SOR).</p>	These details are required to understand the project scope of work & work on costing	<p>For Execution phase, requirement of manpower is as under: The project is on EPC based including no. of resources required for the deployment. It is the responsibility of bidder to factor adequate technical expertise, project manager, field resources, NOC resources for timely implementation of the project with qualitative aspects and high Network uptime. During the pilot roll out, in any case if GFGNL found insufficient manpower or lack in technical expertise then it is good reason to ask for right deployment of manpower with right expertise in writing before moving into the replication stage during the execution.</p> <p>For O&M phase, Two (1 for each package) technical resources at NOC for entire O&M period of 10 years shall be provided by bidder considering shift & leave arrangement. For the first one year from the date of Go-live, one of the manpower should be OEM engineer. In case of non-deployment of OEM engineer then Rs. 3.0 Lac per month would be the penalty. For the purpose of the calculation of penalty any non-OEM engineer would be considered null and void.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						<p>The other resources must be on Company's Payroll for this RFP / Project and certified by the OEM for technical expertise. In case of non-deployment of company engineer (non-certified engineer by OEM) then Rs. 1.0 Lac per month would be the penalty. For the purpose of the calculation of penalty any non-payroll company engineer / non-certified engineer would be considered null and void.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
114	31	12-p	The bidder shall provide the two resources at NOC, GFGNL for entire 10 years of O&M period of supplied network solution.	These 2 Engineers at NOC will be during 9AM to 5PM or on Shift basis.If it is on shift basis then we have to consider 4 Engineers to run 3 shifts.Please clarify. Request to add these engineers requirement as part of Services Schedule of requirements(SOR).	These details are required to understand the project scope of work & work on costing	<p>For Execution phase, requirement of manpower is as under: The project is on EPC based including no. of resources required for the deployment. It is the responsibility of bidder to factor in adequate technical expertise, project manager, field resources, NOC resources for timely implementation of the project with qualitative aspects and high Network uptime.</p> <p>During the pilot roll out, in any case if GFGNL found insufficient manpower or lack in technical expertise then it is good reason to ask for right deployment of manpower with right expertise in writing before moving into the replication stage during the execution.</p> <p>For O&M phase, Two (1 for each package) technical resources at NOC for entire O&M period of 10 years shall be provided by bidder. For the first one year from the date of Go-live, one of the manpower should be OEM engineer. In case of non-deployment of OEM engineer then Rs. 3.0 Lac per month would be the penalty. For the purpose of the calculation of penalty any non-OEM engineer would be considered null and void.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						The other resources must be on Company's Payroll for this RFP / Project and certified by the OEM for technical expertise. In case of non-deployment of company engineer (non-certified engineer by OEM) then Rs. 1.0 Lac per month would be the penalty. For the purpose of the calculation of penalty any non-payroll company engineer / non-certified engineer would be considered null and void.
115	33	12.3-2	<p>. Fault Diagnosis and Repairs:</p> <ul style="list-style-type: none"> · The warranty shall cover: · Diagnosis of faults. · Repair or replacement of defective parts with components of equal or better specifications. · Provision of suitable standbys to ensure business continuity during repairs or replacements. 	<p>1.What is the Repair & Return SLA.</p> <p>2.As per industry standard practise,One side shipment of card from Site to Bidder repair centre will be taken care by Customer,Post repair Bidder will ship the repaired card to Customer WH/Location as mentioned in RMA form.Please clarify.</p> <p>3.Please note that card damaged at the PCB track & pad level due to water seepage, insects ingression, burnt ,heavy dust</p>	These details are required to understand the project scope of work & work on costing	<p>The spares asked in the RFP is non-negotiable provision to keep MTTR low. During the entire contract it is bidder's responsibility to replenish the 5 % spare level. Any shortfall may result into equivalence of deductions during the O&M period.</p> <p>The Network cannot afford any downtime due to the any procedural and technical deficiency to meet the SLA specified in RFP. The bidder may choose proven technology solutions to meet high uptime.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>ingression , due to poor site condition will not be repairable. For Such damaged cards ,customer shall procure New card .Please confirm.</p>		
116	34	12.5-d	<p>In case penalty reaches maximum (20% of actual payable capex value) for two consecutive quarters, the purchaser (GFGNL) may invoke termination clause as per RFP.</p>	<p>Maximum penalty cap i.e 20% of price bid is too high. For warranty & AMC support it would be maximum be of 5% of AMC value per year.Request to reconsider the Maximum Penalty clause.</p>	<p>These details are required to understand the project scope of work & work on costing</p>	<p>The time is essence and non-negotiable part of this RFP and hence the bidder and OEM both must collectively plan the delivery and deployment strategy to avoid risk of concern penalty cap.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
117	38	12.1.5	Dismantling of existing equipment, if any, is in the scope of bidder and all dismantled equipment and its accessories to be hand over to GFGNL authorized existing PIA in working condition only. Everything is in bidder's scope except warehouse. GFGNL will intimate warehouse location to successful bidder.	How many existing sites are to dismantled. Request to share the details of the equipment to be dismantled so that Bidder shall plan the same and work on the commercials for Dismantling, Packaging, Logistics etc. Please clarify.	These details are required to understand the project scope of work & work on costing	We are not insisting for re-deployment (dismantling) of existing devices. It is optional. One can offer lucrative buyback offer or alternatively the existing devices may be re-deployed for mitigate govt. losses, in some clusters without compulsion of integration with the new devices. The ask of integration of old with the new devices is avoided for wider competition and allowing new OEMs equal chance to deploy.
118	33	12.3-2	. Fault Diagnosis and Repairs: <ul style="list-style-type: none"> · The warranty shall cover: · Diagnosis of faults. · Repair or replacement of defective parts with components of equal or better specifications. · Provision of suitable standbys to ensure business continuity during repairs or replacements. 	1. What is the Repair & Return SLA. 2. As per industry standard practise, One side shipment of card from Site to Bidder repair centre will be taken care by Customer, Post repair Bidder will ship the repaired card to Customer WH/Location as mentioned in RMA form. Please clarify. 3. Please note that	These details are required to understand the project scope of work & work on costing	Repeat query as per Sr. no. 115

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				card damaged at the PCB track & pad level due to water seepage, insects ingress, burnt, heavy dust ingress, due to poor site condition will not be repairable. For Such damaged cards, customer shall procure New card. Please confirm.		
119	34	12.5-d	In case penalty reaches maximum (20% of actual payable capex value) for two consecutive quarters, the purchaser (GFGNL) may invoke termination clause as per RFP.	Maximum penalty cap i.e 20% of price bid is too high. For warranty & AMC support it would be maximum be of 5% of AMC value per year. Request to reconsider the Maximum Penalty clause.	These details are required to understand the project scope of work & work on costing	Repeat query

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
120	38	12.1.5	<p>Dismantling of existing equipment, if any, is in the scope of bidder and all dismantled equipment and its accessories to be hand over to GFGNL authorized existing PIA in working condition only. Everything is in bidder's scope except warehouse. GFGNL will intimate warehouse location to successful bidder.</p>	<p>How many existing sites are to dismantled. Request to share the details of the equipment to be dismantled so that Bidder shall plan the same and work on the commercials for Dismantling, Packaging, Logistics etc. Please clarify.</p>	<p>These details are required to understand the project scope of work & work on costing</p>	<p>Repeat query</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
121	13	6c(xi)	Final evaluation will happen on QCBS (60:40), standard QCBS methodology shall be adopted.	We suggest to make "L1 + 60% cut-off" technical marks scoring for the financial evaluation.	Since the selected Bidder has to carry out the work absolutely in accordance with given specification and quality standards for each item, that appears to be no reason / necessity to adopt the procedure of QCBS for the selection of bidder. Therefore, we humbly request Govt of Gujarat / GFGNL to please change method of selection of bidder on L1	This procurement is not limited to delivery and installation of black boxes. This is backbone of the entire BharatNet of the Gujarat and would affect millions of rural masses. It is quality oriented procurement (QOP) declared by competent authority.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					<p>basis instead of QCBS. There are / were similar and even much bigger 'mission critical projects' with Indian Defence, Indian Aviation, Indian Ports, Indian Railway, Ministry of External Affairs, BSNL Bharatnet Phase – III etc.. where the criteria of bid evaluation is always L1 basis.</p>	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
122	25	10 (4)	<p>Eligibility Criteria: Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40% of these active components) in last five years as on date of bid submission.</p> <p>Work Order should have been issued in last five years as on date of bid submission.</p> <p>For completed projects : Go-live certificate should be provided.</p> <p>For ongoing projects : Client certificate should be provided clearly mentioning worth of completed work for</p>	<p>Please note that - most of the large turnkey telecom projects consists of components such as active, passive, services and O&M etc. Further, the % value of active components in such large project are ranging from 5 % to 15% of total value of project. Hence, applying this limitation (40% of project value) will restrict various capable bidders from participating in this tender.</p> <p>Hence the statement - 'with minimum 40% of these active components' should be deleted from this clause.</p>	<p>Most of the large turnkey telecom projects consists of components such as active, passive, services and O&M etc. Further, the % value of active components in such large project are ranging from 5 % to 15% of total value of project.</p> <p>The clarification sought by us will help more participation and competitive bidding.</p>	Please see revised PQ/TQ criteria

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>asked components. "</p> <p>Supporting Documents to be furnished: Copies of Purchase Order, completion/ Go-live certificate or partial completion certificate complying to the clause requirement from client to be enclosed along with Technical Bid</p>			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
123	25	10 (4)	<p>Eligibility Criteria: Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40% of these active components) in last five years as on date of bid submission.</p> <p>Work Order should have been issued in last five years as on date of bid submission.</p> <p>For completed projects : Go-live certificate should be provided.</p> <p>For ongoing projects : Client certificate should be provided clearly mentioning worth of completed work for</p>	<p>As per our understanding to this clause, bidder is asked to have experience of execution of -</p> <ul style="list-style-type: none"> - one networking project of minimum value of Rs. 16 crores (consisting these active component of amount Rs 6.4 Crore) Or - Two networking Projects having minimum value or Rs.12 Crore (consisting these active component of amount Rs 4.8 Crore) Or - Three Project having minimum value of Rs. 8 Crore (consisting these active component of amount Rs 3.2 Crore) <p>Please confirm if our understanding is correct.</p>	<p>For better understanding of clause.</p>	<p>Please see revised PQ/TQ criteria</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>asked components. "</p> <p>Supporting Documents to be furnished: Copies of Purchase Order, completion/ Go-live certificate or partial completion certificate complying to the clause requirement from client to be enclosed along with Technical Bid</p>			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
124	25	10 (4)	<p>Eligibility Criteria: Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40% of these active components) in last five years as on date of bid submission.</p> <p>Work Order should have been issued in last five years as on date of bid submission. For completed projects : Go-live certificate should be provided. For ongoing projects : Client certificate should be provided clearly mentioning worth of completed work for</p>	<p>We request to make following changes in the documents requirements -</p> <p>For completed projects : Go-live certificate / Project completion certificate should be provided.</p> <p>For ongoing projects : Phase completion certificate from Client clearly mentioning worth of completed work for active components should be provided. OR Copy of Work Order along with copy of Payment Advice/ Inspection Certificate (IC) issued by third party TPA (Govt. entity like BSNL QA etc.) and Self undertaking clearly mentioning worth of completed work for</p>	<p>Most of the customers (including TSP) avoid to issue phase completion certificate against ongoing projects and it is difficult to arrange phase completion certificate. The clarification sought by us will help more participation and competitive bidding.</p>	<p>Please see revised PQ/TQ criteria</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>asked components. "</p> <p>Supporting Documents to be furnished: Copies of Purchase Order, completion/ Go-live certificate or partial completion certificate complying to the clause requirement from client to be enclosed along with Technical Bid</p>	asked components should be provided.		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
125	25	10 (4)	<p>Eligibility Criteria: Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40% of these active components) in last five years as on date of bid submission.</p> <p>Work Order should have been issued in last five years as on date of bid submission. For completed projects : Go-live certificate should be provided. For ongoing projects : Client certificate should be provided clearly mentioning worth of</p>	<p>To have the better clarity on the 'Backhaul transport network components' and to allow more bidders to participate in the tender, we request to amend this clause as follows -</p> <p>Eligibility Criteria: Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network DWDM/MPLS Router (with minimum 40% of these active components) in last five seven years as on</p>	<p>Components which comes under Backhaul transport network has not been defined anywhere in the RFP.</p> <p>Further, the % value of active components in large project (which consists of components such as active, passive, services and O&M etc.) are ranging from 5 % to 15% of total value of project. BharatNet Ph</p>	Please see revised PQ/TQ criteria

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			completed work for asked components. "	<p>date of bid submission.</p> <p>Work Order should have been issued in last five seven years as on date of bid submission. For completed projects : Go-live certificate / Project completion certificate should be provided.</p> <p>For ongoing projects : Phase completion certificate from Client clearly mentioning worth of completed work for active components should be provided. OR Copy of Work Order along with copy of Payment Advice/ Inspection Certificate (IC) issued by third party TPA (Govt. entity like BSNL QA etc.) and Self</p>	<p>It project can be considered as one of the example.</p> <p>The clarification sought by us will help more participation and competitive bidding.</p>	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				undertaking clearly mentioning worth of completed work for asked components should be provided.		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
126	25	10 (4)	<p>Eligibility Criteria: Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40% of these active components) in last five years as on date of bid submission.</p> <p>Work Order should have been issued in last five years as on date of bid submission.</p> <p>For completed projects : Go-live certificate should be provided.</p> <p>For ongoing projects : Client certificate should be provided clearly mentioning worth of</p>	<p>We understand that bidder having experience of execution of any previous BharatNet Project consisting components like Backhaul transport network and other active component will also be considered eligible.</p> <p>Please confirm.</p>	<p>For better clarity on networking project.</p>	<p>Please see revised PQ/TQ criteria</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			completed work for asked components. "			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
127	26	10 (5)	<p>Eligibility Criteria: OEM should have supplied minimum 300 numbers of Quoted technology solution equipment in last 3 years as on date of bid submission for atleast two different customers. Order may be considered in phase manner in asked time period.</p> <p>Supporting Documents to be furnished: OEM Declaration on their letterhead along with work order and proof of successful installation (i.e., Delivery challan or Client certificate on successful installation or OEM certificate from Company Secretary/Legal). OEM can mask sensitive information.</p>	Please elaborate the phrase - Quoted technology solution equipment.	To have more clarity and better understanding we request customer to mention exact name of technology to be quoted	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
128	26	10 (5)	<p>Eligibility Criteria: OEM should have supplied minimum 300 numbers of Quoted technology solution equipment in last 3 years as on date of bid submission for atleast two different customers. Order may be considered in phase manner in asked time period.</p> <p>Supporting Documents to be furnished: OEM Declaration on their letterhead along with work order and proof of successful installation (i.e., Delivery challan or Client certificate on successful installation or OEM certificate from Company Secretary/Legal). OEM can mask sensitive information.</p>	<p>We understand quoted technology would either be OTN or DWDM. Hence, we recommend minor modification in this requirement which is as follows -</p> <p>Eligibility Criteria: OEM should have supplied minimum 300 numbers of Quoted technology solution equipment /DWDM/MPLS equipment in last 3 years as on date of bid submission for atleast two different customers cumulatively. Order may be considered in phase manner in asked time period.</p> <p>Supporting Documents to be furnished: OEM Declaration on their letterhead along</p>	<p>Supporting documents like copy of Purchase order and satisfactory completion certificate from user is sufficient proof for claiming such experience</p>	<p>As per RFP</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>with work order and proof of successful installation supply (i.e., Delivery challan or Client certificate on successful installation supply or OEM certificate from Company Secretary/Legal). OEM can mask sensitive information.</p>		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
129	14	.-	Part-IV: Priced BOQ: b. The detailed priced bill of material as submitted in the technical bid shall be submitted by the bidder physically in sealed envelope along with Part-I documents (EMD) at the office of Chief Finance Officer, (CFO), Gujarat Fiber Grid Network Limited (GFGNL), Block No: 6, 5th Floor, Udyog Bhavan, Sector-11, Gandhinagar: 382010 in 4 working days from the online bid submission.	<p>First of all the Priced Bill of Material will not be submitted in Technical Bid. It will be part of Price Bid and must be uploaded with Price Bid in e-tender portal.</p> <p>As the bids have been invited through e-tendering route, seeking physical copy of detailed Price BOM seems stringent.</p> <p>We recommend that this condition should be deleted.</p>	<p>Contradiction in clause as one of RFP clause state that - Technical Bid containing financial details shall be rejected. Further, as all the documents are being asked in electronic form only, BOM submitted through e-tender portal should be sufficient.</p>	<p>Expectation is that bidder needs to submit detail bill of material with price in price bid and without price in technical bid. 3 Gbps to 10 Gbps with detailed Bill of Material mentioning all sub, Main Component including accessories with part code and description in financial bid(Physically sealed envelope) with price. Most upgradation component part code should be from 3 Gbps Bill of material. If Bidder's proposed price for upgradation is not justified, then tenderer may barred the selected bidder and cancel the bid.</p>
130	20	9.15.1(g)	General Rejection Criteria g) Bids without Power of Attorney and any other document consisting of adequate proof of the ability of the authorized	As format of Power of Attorney specific to this tender is not available in the RFP, we understand bidder is allowed to submit POA in their own format.	Format of POA not provided	Agreed

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			signatory to bind the Bidder.			
131	25	9.24.3	Bidder shall be responsible to provide documents for O&M, AMC, Warranty of supplied hardware and software under this RFP. It should be visible on OEM/SI Website. Submit the inventory report with detail information.	As, warranty requirements vary project to project, it would be difficult for OEM or SI to upload such declarations on their website. Hence, this clause should be deleted.	For any OEM or SI, it would be difficult to keep the data for each of their executed projects on their website.	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
132	10	4	<p>Contract Period Project Scope: 1 Year from the date of award of Work Order or Till Project completion (HOTO and GO-Live) whichever is later. AMC for Equipment after Go-Live: 10 Years Manpower deployment at NOC after Go-Live: 10 Years</p>	<p>As per Implementation Timeline & Penalties: Installation and configuration of supplied equipment to complete backhaul upgrade as per scope of work of this RFP is T+180 days .</p> <p>Need clarity on the contract period.</p>	<p>Need clarity on the contract period.</p> <p>Usually, the entire duration of execution, warranty and AMC (if any) counted as Contract Period.</p>	<p>For Execution phase, requirement of manpower is as under:</p> <p>The project is on EPC based including no. of resources required for the deployment. It is the responsibility of bidder to factor in adequate technical expertise, project manager, field resources, NOC resources for timely implementation of the project with qualitative aspects and high Network uptime.</p> <p>During the pilot roll out, in any case if GFGNL found insufficient manpower or lack in technical expertise then it is good reason to ask for right deployment of manpower with right expertise in writing before moving into the replication stage during the execution.</p> <p>For O&M phase,</p> <p>Two (1 for each package) technical resources at NOC for entire O&M period of 10 years shall be provided by bidder considering shift & leave arrangement.</p> <p>For the first one year from the date of Go-live, one of the manpower should be OEM</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						<p>engineer. In case of non-deployment of OEM engineer then Rs. 3.0 Lac per month would be the penalty. For the purpose of the calculation of penalty any non-OEM engineer would be considered null and void.</p> <p>The other resources must be on Company's Payroll for this RFP / Project and certified by the OEM for technical expertise. In case of non-deployment of company engineer (non-certified engineer by OEM) then Rs. 1.0 Lac per month would be the penalty.</p> <p>For the purpose of the calculation of penalty any non-payroll company engineer / non-certified engineer would be considered null and void.</p>
133	55	11	The rate provided by the selected agency will be valid for 36 Months from the date of award of work. After 36 Months of awarded work order, the rate will be valid with	The duration of 36 months is too long and it is very difficult for any bidder/OEM to keep the price valid for such a long duration. As the	Due to high inflation, we recommend to reduce offer validity from 36	This is the functional ask of the GFGNL keeping BharatNet Phase-III and probable growth of digitalization in the rural corners for scalability as indicated in the design level of the RFP.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			inflation or mutual agreement between GFGNL and selected bidder. Rate comparison with latest government tender may be referred for upward or downward cost revision.	delivery time-line is 180 days, we understand that the offer validity till one year i.e. till 12 months from the date of award of work is sufficient. Please review and make the correction accordingly.	months to 12 months.	
134	16	9(h)	The provisions of the Public Procurement (Preference to Make in India) Order 2017 dated June 15, 2017 (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 including foreign suppliers.	As Class-I, Class- II and to Non-local suppliers including foreign suppliers are allowed to participate in the tender, please elaborate about applicability of Preferential Market Access (PMA) policy, margin of purchase preference etc. on the project/tender.	Need clarity on applicability of Preferential Market Access (PMA) policy	Make In India companies are also allowed along with proven technology products worldwide to meet business and functional requirement of the specialized Network. And that is the precise reason we have not sought any restrictive clauses / global certifications prohibiting participation of Make in India companies

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
135	.-	General query	MSE Purchase Preference	As there is no clause related to MSE, we understand that MSE purchase preference is not applicable in this tender. Please confirm.	General request	Yes

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
136	7	3	<p>BBNL has implemented BharatNet Phase-I network in Gujarat at 11 districts wherein 259 OLTs are installed in BSNL exchanges geographically distributed across 117 sub-blocks. For Phase-I, OLTs are installed in BSNL exchange. GFGNL is in plan to build own shelter in Phase-I region. Currently OLTs & Electronics are installed in BSNL Exchange. However, Bidder is to include one-time service charges for shifting of equipment from BSNL exchange to GFGNL shelter whenever ready as part of their BID and mentioned as service item in BoQ. The scope shall include de-installation, transportation, re-installation, configuration, commissioning, testing etc which requires as per</p>	<p>For 259 OLTs of BharatNet phase-I, we understand that the one-time shifting charges from BSNL exchange to GFGNL shelter, shall be considered for shifting of OLT and electronics only.</p> <p>Kindly confirm</p>	<p>For better understanding of the scope</p>	<p>The scope of this RFP is new deployment, and that is purposed for wider competition and more participations from non-existing OEM as well. Hence, the question of mass level shifting of equipment does not exist any more.</p> <p>However, because of the certain circumstances even if any shifting requirement may arise in future in that case Rs 10,000/- per location shifting charges will be paid limited to shifting of supplied items under this scope of the RFP.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			GFGNL requirement including any additional item or replacement due to damage caused in shifting as the case may be, required for service delivery as part of BID scope.			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
137	7	3	<p>BBNL has implemented BharatNet Phase-I network in Gujarat at 11 districts wherein 259 OLTs are installed in BSNL exchanges geographically distributed across 117 sub-blocks. For Phase-I, OLTs are installed in BSNL exchange. GFGNL is in plan to build own shelter in Phase-I region. Currently OLTs & Electronics are installed in BSNL Exchange. However, Bidder is to include one-time service charges for shifting of equipment from BSNL exchange to GFGNL shelter whenever ready as part of their BID and mentioned as service item in BoQ. The scope shall include de-installation, transportation, re-installation, configuration, commissioning, testing etc which requires as per</p>	<p>Request to provide the make and model of phase-1 OLT and other electronics installed in BSNL exchange</p>	<p>For better understanding of the scope</p>	<p>The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap and shared existing network details for better understanding.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>GFGNL requirement including any additional item or replacement due to damage caused in shifting as the case may be, required for service delivery as part of BID scope.</p>			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
138	7	3	<p>BBNL has implemented BharatNet Phase-I network in Gujarat at 11 districts wherein 259 OLTs are installed in BSNL exchanges geographically distributed across 117 sub-blocks. For Phase-I, OLTs are installed in BSNL exchange. GFGNL is in plan to build own shelter in Phase-I region. Currently OLTs & Electronics are installed in BSNL Exchange. However, Bidder is to include one-time service charges for shifting of equipment from BSNL exchange to GFGNL shelter whenever ready as part of their BID and mentioned as service item in BoQ. The scope shall include de-installation, transportation, re-installation, configuration, commissioning, testing etc which requires as per</p>	<p>Kindly provide a timeline by which the activity of shifting the OLT and electronics installed in BSNL exchange to GFGNL shelter is expected</p>	<p>For better understanding of the scope</p>	<p>As per RFP</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			GFGNL requirement including any additional item or replacement due to damage caused in shifting as the case may be, required for service delivery as part of BID scope.			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
139	12	6c(iv)	<p>In State – 3, Bidder has to share technical presentation copy at least 2 days prior to presentation date. Those who will be qualify on stage-3, they will be eligible for stage-4 i.e. Financial evaluations.</p>	<p>As per the standard bidding process, request to allow submission of presentation copy on the presentation date. Hence it is requested to change the of clause as below:</p> <p>In State – 3, Bidder has to share technical presentation copy in soft/hard form on the day of presentation. Those who will be qualify on stage-3, they will be eligible for stage-4 i.e. Financial evaluations</p>	<p>As per standard bidding process</p>	<p>As per clarification sought</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
140	12	6c(v)	Additional features document including any commitment conveyed during presentation has to be submitted duly signed by the bidder on same day of technical presentation. For OEM commitment, bidder must be endorsed on his letter as commitment.	Additional features document including any commitment conveyed during presentation has to be submitted duly signed by the bidder within 2-3 working days from the day of technical presentation. For OEM commitment, concern OEM has to submit vide his duly signed letter along with covering letter from bidder quoted his solution confirming endorsed on his letter as commitment.	It is practically difficult as bidders are required to take approval from their internal management to submit the additional offerings vide letter on the same of day of presentation.	As per clarification sought

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
141	13	6(c.)(xii)	<p>xii. Bidder to ensure technical design to be aligned with Bid requirement from the first submission only, revision in the design is to be discouraged and will be penalized in terms of 1% reduction in total financial cost of solution per each revised submission.</p>	<p>As per "section 6. Proposal / Bid Submission & evaluation", the technical design shall be submitted by the bidder as a part of the technical proposal which shall be evaluated by GFGNL during stage-2 evaluation.</p> <p>This technical design shall be further evaluated during stage-3 through a technical presentation post which the bidder shall be eligible for stage-4 evaluation i.e., Financial evaluation.</p> <p>Once the bidder is eligible for stage-4 evaluation, it is understood that the bidder has complied with the technical specification and design requirements</p>	<p>For better clarity on the bidding process</p>	<p>The improper design provided by the bidder which is lacking design uptime of the Network and over consumption of BharatNet assets then it is good reason to reject the design in lieu of simply penalizing. However, If GFGNL wants to get the design changed within the framework of RFP for fine tuning the traffic, ring shortening, single point of failure, latency and other upward revisions then bidder should not be penalized for the same.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>of the RFP.</p> <p>Kindly confirm the basis and the stage at which the penalty of 1% reduction in the total financial cost of solution per each revised submission is applicable.</p> <p>Request to share the modality of the penalty and its impact on the overall evaluation process. For e.g., if 1% penalty is deducted during the evaluation, the bidder's position may change and other competitor bidder may become H1.</p> <p>Also, the bidder shall submit the technical solution basis the data provided by GFGNL during the Know-how session. Practically, it won't be possible by</p>		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>the bidder to conduct a thorough site visits of the entire network. In a scenario where the design may change due to a mismatch between the data provided and actual network on field, how the penalty shall be applicable?</p> <p>Kindly clarify.</p>		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
142	13	6(c.)(xii)	Bidder to ensure technical design to be aligned with Bid requirement from the first submission only, revision in the design is to be discouraged and will be penalized in terms of 1% reduction in total financial cost of solution per each revised submission.	<p>This clause is stringent.</p> <p>Please note that the modifications in the technical /solution design (if any) will be in the better aspects of the network/project and may increase the overall cost also. Hence, penalizing bidder by reduction of financial cost of the solution should not be envisioned. We request to remove this condition.</p>	Modifications in the technical /solution design (if any) will be in the better aspects of the network/project and may increase the overall cost also.	The improper design provided by the bidder which is lacking design uptime of the Network and over consumption of BharatNet assets then it is good reason to reject the design in lieu of simply penalizing. However, If GFGNL wants to get the design changed within the framework of RFP for fine tuning the traffic, ring shortening, single point of failure, latency and other upward revisions then bidder should not be penalized for the same.
143	13	6(c.)(xii)	Bidder to ensure technical design to be aligned with Bid requirement from the first submission only, revision in the design is to be discouraged and will be penalized in terms of 1% reduction in total financial cost of solution per each revised submission.	The clause is creating ambiguity in the entire bid evaluation process. Request you to delete this clause.	For better clarity on the bidding process and evaluation.	The improper design provided by the bidder which is lacking design uptime of the Network and over consumption of BharatNet assets then it is good reason to reject the design in lieu of simply penalizing. However, If GFGNL wants to get the design changed within the framework of RFP for fine tuning the traffic, ring shortening, single point of failure, latency and other upward revisions then bidder should not be penalized for the same.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
144	13	6(c.)(xiii)	<p>Any change/replacement of component than the submitted design (i.e. should be equivalent/better in technical aspect than the previous component) will be allowed with 5% reduction in component cost, subject to valid justification and at whole discretion of GFGNL.</p>	<p>Kindly confirm the basis and the stage at which the penalty of 5% is applicable.</p> <p>Request to share the modality of the penalty and its impact on the overall evaluation process. For e.g., if 5% penalty is deducted during the evaluation, if may help other bidder to become H1.</p> <p>Also, the bidder shall submit the technical solution basis the data provided by GFGNL during the Know-how session. Practically, it won't be possible by the bidder to conduct a thorough site visits of the entire network. In a scenario where the change / component may change due to a mismatch between</p>	<p>For better clarity on the bidding process</p>	<p>As per RFP</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>the data provided by GFGNL and actual network on field, how the penalty shall be applicable?</p> <p>Kindly clarify</p>		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
145	13	6(c.)(xiii)	Any change/replacement of component than the submitted design (i.e. should be equivalent/better in technical aspect than the previous component) will be allowed with 5% reduction in component cost, subject to valid justification and at whole discretion of GFGNL.	The clause is creating ambiguity in the entire bid evaluation process. Request you to delete this clause.	For better clarity on the bidding process and evaluation.	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
146	13	6(c.)(xiv)	<p>If H1 Bidder is not agree or not qualify at later stage to execute the project for any reason, Tenderer may call H2 Bidder to match the price of H1. If H2 agree to match the price of H1, tenderer may award the contract. The same process may be followed for remaining qualified Bidders. Tenderer may cancel this procurement process at any time prior to a formal written contract being executed by or on behalf of the GFGNL without giving any reason. This RFP supersedes and replaces any previous public documentation & communications, and Bidders should place no reliance on such communications.</p>	<p>As per "section 6. Proposal / Bid Submission & evaluation", of the RFP, the successful bidder shall be selected through a stringent QCBS process (60% Technical and 40% Financial) evaluated during 4 stages during which bidder's technical qualification, technical design, entire solution and financials shall be evaluated.</p> <p>Considering this, there may not be a scenario where the bidder shall not qualify at a later stage, hence we request to remove the term "not qualify at later stage" and rephrase the clause accordingly. If GFGNL intends to keep the clause as is, kindly</p>	<p>For better clarity on the bidding process</p>	<p>Refer the Page-40 section 6(b) and Refer Page-30. 12.i</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				provide the scenarios under which the clause may be applicable		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
147	13	6(c.)(xiv)	<p>If H1 Bidder is not agree or not qualify at later stage to execute the project for any reason, Tenderer may call H2 Bidder to match the price of H1. If H2 agree to match the price of H1, tenderer may award the contract. The same process may be followed for remaining qualified Bidders. Tenderer may cancel this procurement process at any time prior to a formal written contract being executed by or on behalf of the GFGNL without giving any reason. This RFP supersedes and replaces any previous public documentation & communications, and Bidders should place no reliance on such communications.</p>	<p>As per tender terms, GFGNL shall award the Work Order to the H1 bidder. We understand that if, during the project execution, H1 bidder does not agree to execute the project for any reason, GFGNL may call H2 bidder to match the price.</p> <p>Kindly confirm</p>	<p>For better clarity on the bidding process</p>	<p>Yes, however the denial to be justified by H1 bidder. Actions and consecution as mentioned in the BID shall apply to the bidder.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
148	15	7	<p>Expectation is that bidder needs to submit detail bill of material with price in price bid and without price in technical bid. 3 Gbps to 10 Gbps with detailed Bill of Material mentioning all sub, Main Component including accessories with part code and description in financial bid (Physically sealed envelope) with price. Most upgradation component part code should be from 3Gbps Bill of material. If Bidder's proposed price for upgradation is not justified, then tenderer reserves the rights to disqualify bidder and may process for next eligible bidder as a part of bid evaluation process.</p>	<p>"If Bidder's proposed price for upgradation is not justified, then tenderer reserves the rights to disqualify bidder and may process for next eligible bidder as a part of bid evaluation process."</p> <p>The clause is open ended and it is not clearly defining the parameters or criteria against which the bidder's proposed price for upgradation will be evaluated.</p> <p>Kindly elaborate and provide additional details for evaluation criteria which will be followed by GFGNL.</p>	<p>For better clarity on the bidding process</p>	<p>As per RFP</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
149	16	9.3.1	The successful bidder who is awarded the Work Order in any particular zone, that bidder shall be required to deposit a Performance bank guarantee (refer annexure VI) @ 5% of the total contract value in the form unconditional Bank Guarantee.....	This clause says that zone wise work will be awarded and bidder has to submit PBG of 5% of total contract value. Suggestion: This seems to be typo error please rectify or else clarify on award methodology.	This seems to be typo error. As per our understanding single bidder will be selected as per the RFP terms and condition for the award of the work. Please Clarify.	Yes as per clarification sought
150	19	9.14.1	Taxes shall be paid extra on actual by SI, as applicable while making all types of payment to GFGNL. The taxes prevailing at the time of raising the invoice shall be paid.	It seems that there is a type error as the payments shall be made by GFGNL to the SI. Kindly review and update accordingly.	For better understanding of the scope	Taxes shall be paid extra on actual by SI, as applicable while making all types of payment By GFGNL.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
151	20	9.16.1	Time shall be of the essence in respect of any date or period specified in this RFP or any notice, demand or other communication served under or pursuant to any provision of this RFP and in particular in respect of the completion of the delivery of services to Government offices / locations / Government schools by the SI by the completion date.	<p>We understand that the delivery of services to the government offices / locations / government schools are not a part of the project.</p> <p>Kindly review and update accordingly</p>	For better understanding of the scope	As per RFP
152	27	10.1	The Bidder should have valid ISO 9001: 2015 and ISO 27001:2022 as on last date of bid submission.	<p>We request you to revise the clause as following:</p> <p>The Bidder should have valid ISO 9001: 2015 and ISO 27001:2013 or above/latest as on last date of bid submission.</p>	ISO 27001:2022 is an upgraded version of ISO 27001:2013	as per above response

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
153	28	11(5)f	<p>Re-deployment plan of existing transport network along with service support – 6 marks (For Package A - 3 marks & For Package B – 3 marks)</p>	<p>It is asked the one time redeployment for the separate network solution to optimize use of old equipment and not linked with the BID proposed solution.</p> <p>The RFP also states the buyback of existing transport equipment and redeployment plan of existing transport network which is contradictory.</p> <p>Moreover, if GFGNL intends to redeploy the existing transport equipment along with service support, it shall favour the existing OEMs</p> <p>Hence, we request to remove the clause as it is not adding value with respect to the scope of the work</p>	<p>For better understanding of the scope</p>	<p>We are not insisting for re-deployment (dismantling) of existing devices. It is optional. One can offer lucrative buyback offer or alternatively the existing devices may be re-deployed for mitigate govt. losses, in some clusters without compulsion of integration with the new devices. The ask of integration of old with the new devices is avoided for wider competition and allowing new OEMs equal chance to deploy.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
154	30	12(i)	<p>It will be binding to bidder to conduct POC (Proof of Concepts) of proposed solution as per requirement of GFGNL including LAB testing in time bound manner (10-15 working days) as well as field testing on a sample basis (over deployed network), covering all features & services test scenario to ensure the proposed solution deemed working & acceptable to GFGNL. The bidder and OEM have to confirm open interface solution and ensure synergy with at least (but not limited to) two different OEM product selected by GFGNL during POC procedure.</p>	<p>Kindly Please confirm whether the bidder is expected to conduct the PoC during the technical evaluation phase or post award of the work order.</p> <p>As a standard practice, PoC is always performed during the technical evaluation phase before opening of financial bid for all the technically qualified bidders.</p>	<p>For better understanding of the scope</p>	<p>Refer the Page-40 section 6(b) - (a- The one part is, technical configuration, right traffic engineering/re-engineering, identification of stress point, and overall solution within one jurisdiction and one pocket (i.e.one block and one district, internet breakout, Intranet) and with an objective to validate and freeze the technically implementable aspects with active role of expert which is OEM in this case. OEM has to ensure successful implementation of pilot block and pilot district first which will be replicated in rest geography by bidder</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
155	31	12(x)	One-time redeployment option is separate network solution to optimize use of old equipment and is not linked with this BID proposed solution	<p>The RFP states the buyback of the existing transport equipment, however, the clause requests one-time redeployment.</p> <p>It is not clear on which equipment needs to be redeployed and its quantities.</p> <p>Kindly elaborate on this</p>	For better understanding of the scope	<p>We are not insisting for re-deployment (dismantling) of existing devices. It is optional. One can offer lucrative buyback offer or alternatively the existing devices may be re-deployed for mitigate govt. losses, in some clusters without compulsion of integration with the new devices.</p> <p>The ask of integration of old with the new devices is avoided for wider competition and allowing new OEMs equal chance to deploy.</p>
156	32	12.2 a(3)	Ensure regular backups of configurations at least every 24 hours, with confidentiality and restricted access.	<p>We understand that the backup solution shall be provided by GFGNL. Kindly confirm</p> <p>Kindly define the retention period for regular backups.</p>	For better understanding of the scope	<p>This is the back up for the configuration and this functionality is to be met by the OEM / Bidder. The space (storage) is the responsibility of GFGNL.</p> <p>Retention period is no longer burden on bidder as space for retaining the versions is mentioned as above and shall be discussed during the execution.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
157	32	12.2 b(3)	Following project handover, the PIA will manage ticketing and resolution.	We understand that the bidder is expected to integrate the EMS with GFGNL's NMS and ticketing system. Post the project Go-live, the tickets shall be generated in GFGNL's ticketing system. Kindly confirm	For better understanding of the scope	Yes as per Clarification
158	33	12.3(1)	The bidder shall provide a Comprehensive Onsite Warranty with upfront replacement for the entire lifecycle of the contract or a minimum of 10 years, whichever is longer, starting from the go-live date.	We understand that the cooling period of particular sites shall start from the date of Acceptance Test of those site. Kindly confirm	For better understanding of the scope	Yes, Go-live will be application for complete network migration to new solution with minimum one month traffic working on network, meeting SLA and completing each cooling period.
159	33	12.3(1)	Warranty Period and Coverage: The bidder must maintain a sufficient inventory of spare parts (at least 5% of the supplied quantity, zone-wise) to meet the required SLA commitments.	To keep the spares, we understand that required space with all the required infrastructure, security and safety arrangements will be provided by the GFGNL, without any cost during the project	For better understanding of the scope	We are planning Two packages and Six zones in BharatNet Ph-III. The spare is non-negotiable provision to keep MTTR low.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>duration.</p> <p>Kindly confirm</p>		
160	30	12.5	<p>The Successful bidder shall provide the required services as per SLA matrix given below.</p> <p>SLA Matrix</p> <p>Window Maximum Rectification Time / Maximum Extended Time for</p> <p>Down Time (PE)</p> <p>8:00AM to 10:00PM 2 Hrs.</p> <p>10:00PM to 8:00AM 4 Hrs.</p>	<p>As per the industry practice, the maximum rectification time / maximum extended time for down time shall be as follows:</p> <p>8:00AM to 10:00PM 4 Hrs.</p> <p>10:00PM to 8:00AM 6 Hrs.</p> <p>Request you to consider and update the clause accordingly</p>	<p>Maximum rectification time of 2 hours is very stringent and is not as per industry standard</p>	<p>As per RFP</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
161	34	12.5	The Successful bidder shall provide the required services as per SLA matrix given below. SLA Matrix Window Maximum Rectification Time / Maximum Extended Time for Down Time (PE) 8:00AM to 10:00PM 2 Hrs. 10:00PM to 8:00AM 4 Hrs.	As per the understanding the SLA needs to maintain during the contract period i.e., for 1 year only. If no, then should we consider the field manpower to maintain the SLA or the L1 support to be provided by the existing PIA / GFGNL.	For better understanding of the scope	As per RFP
162	42	19b	A minimum of two redundant power supplies must be provided at each location to meet operational needs.	We understand that redundant power supplies at site shall be provided by GFGNL and bidder shall propose equipment with dual power supply modules. Kindly confirm	For better understanding of the scope	Proposed solution equipment should be as per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
163	53	14(a) & 14(f)	<p>a) The successful bidder shall provide on-site comprehensive warranty for 10 Years for all supplied Network Devices, including part replacement /repairs at no cost to GFGNL within 24 hours of reporting, hardware related software updates; upgrades; patches and bug fixes for hardware and related Software from OEM for 24 x 7 x 365 days and operating support as and when required.</p> <p>f) Bidder has to submit preventive maintenance report every quarter post AT till handover of complete network to GFGNL or existing PIA or contract period whichever is later.</p>	<p>We understand that post go live, the network shall be handed over to GFGNL or existing PIA. The field support required during O&M shall be provided by the agency taking over the network. The successful bidder is expected to provide comprehensive warranty for part replacement / repairs.</p> <p>Kindly confirm</p>	<p>For better understanding of the scope</p>	<p>Yes</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
164	54	15/Note	Note: Implementation timeline and payment milestones for Phase-I network deployment will be started after intimation from GFGNL side (Island wise) once new fiber readiness in field.	Kindly provide a timeline against which the implementation of phase-1 network is expected to start.	For better understanding of the scope	As per RFP
165	54	15/Note	Note: Implementation timeline and payment milestones for Phase-I network deployment will be started after intimation from GFGNL side (Island wise) once new fiber readiness in field.	We understand that necessary infrastructure i.e., rack space for equipment installation, redundant DC power supply and other infrastructure shall be provided by GFGNL. Kindly confirm	For better understanding of the scope	The nature of RFP is EPC and the scope is to cater past, Present and future BharatNet (upto BharatNet Ph-III).The Selection criteria of bidder is fundamentally on premises of knowledge of BharatNet. The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap. We are providing Phase-II related details. The bidder may go through and plan the rack space in existing rack (as is basis and as available basis) or new rack without any additional cost to GFGNL. Further it is clarified that for remaining locations (other than Phase-II), the GFGNL is obliged to provide rack space as part of BharatNet Ph-III project. In other words, the bidder of this RFP should not factor in the cost of new rack in the remaining locations. Even in the larger interest of the speedier roll out and some of timing related constraints, if requirement of new rack

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						persists then GFGNL will pay Rs. 20,000 per rack cost to bidder

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
166	66	7/Annex-VII (4)	Deployment of NOC resource for entire O&M period of 10 years from Go-Live	<p>We understand that the NOC resources shall be working 24 x 7 x 365 for 10 years. Considering this, the man month quantity shall be 6 x 12 x 10 = 720 man month.</p> <p>Note: 6 resources (3 resource for each package shall work in shifts)</p>	For better understanding of the scope	<p>For Execution phase, requirement of manpower is as under: The project is on EPC based including no. of resources required for the deployment. It is the responsibility of bidder to factor in adequate technical expertise, project manager, field resources, NOC resources for timely implementation of the project with quantitative aspects and high Network uptime.</p> <p>During the pilot roll out, in any case if GFGNL found insufficient manpower or lack in technical expertise then it is good reason to ask for right deployment of manpower with right expertise in writing before moving into the replication stage during the execution.</p> <p>For O&M phase, Two (1 for each package) technical resources at NOC for entire O&M period of 10 years shall be provided by bidder. For the first one year from the date of Go-live, one of the manpower should be OEM engineer. In case of non-deployment of OEM engineer then Rs. 3.0 Lac per month would be the penalty. For the purpose of the calculation of penalty any non-OEM engineer would be considered null and void.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						<p>The other resources must be on Company's Payroll for this RFP / Project and certified by the OEM for technical expertise. In case of non-deployment of company engineer (non-certified engineer by OEM) then Rs. 1.0 Lac per month would be the penalty. For the purpose of the calculation of penalty any non-payroll company engineer / non-certified engineer would be considered null and void.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
167	66	7/Annex-VII (5)	Buyback offer for existing transport equipment	<p>We feel that keeping the buyback offer for existing transport equipment in the financial bid shall favour the existing OEMs during the technical evaluation.</p> <p>Hence, we request to remove the line item from the financial bid</p>	For better understanding of the scope and evaluation	As per sr. no. 166
168	67	7 Annexure VII: Financial Bid Format	<p>7 Annexure VII: Financial Bid Format</p> <p>Sub Total A0 (Weightage – 60%) = 1+2+3+4+5+6+7+8+9+10</p> <p>Sub Total A1 (Weightage – 40%) = 11+12</p>	<p>The RFP is solution based and majority cost shall be incurred to established the 3 Gbps network as new chassis and its accessories shall be installed. Once the 3 Gbps network is established, the bidder is expected to change only pluggable and modules which shall not incur major cost.</p> <p>Hence, we request you to review the weightages as follows:</p>	For better understanding of scope and evaluation	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				Sub Total A0 (Weightage – 60% 75%) = 1+2+3+4+5+6+7+8+9+ 10 Sub Total A1 (Weightage – 40% 25%) = 11+12		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
169	31	12.1(1)	<ul style="list-style-type: none"> - Software: Perpetual software licenses as per the proposed solution outlined in the Technical Specifications of this RFP. - Hardware/Accessories: Transport devices compete setup, patch cords, MCB, power extension, ETSI standard rack wherever space is not available, and any additional components required for the proposed solution will be in scope of bidder. - Licenses: All perpetual software licenses must be registered under the name of GFGNL. - Servers VM & Resources: All required Servers, latest VM version, and resources to be provided by GFGNL as per requirement by Bidder. Bidder to ensure security compliance and guideline from SDC (GoG) / GFGNL time to time during entire contract 	<p>We understand that Servers, VMs, Operating System (OS), Database (Db) and other licenses required for EMS software installation shall be provided by GFGNL.</p> <p>Kindly confirm</p>	For better understanding of the scope	Yes

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			period without any additional cost to GFGNL.			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
170	34	12.5 (i) a	<p>Service Levels play an important role in defining the Quality of Services (QoS). The prime objective of service levels is to ensure required uptime of the Network. Bidder shall provide on-site maintenance and support services during the period of contract as per SLA for complete solution.</p>	<p>We understand that post go live, the network shall be handed over to GFGNL or existing PIA. The field support required shall be provided by the agency taking over the network. The successful bidder is expected to provide comprehensive warranty for part replacement / repairs.</p> <p>Kindly confirm if our understanding is correct.</p>	<p>For better understanding of the scope</p>	<p>As per RFP</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
171	33	12.3(1):	<p>1. Warranty Period and Coverage:</p> <ul style="list-style-type: none"> - The bidder shall provide a Comprehensive Onsite Warranty with upfront replacement for the entire lifecycle of the contract or a minimum of 10 years, whichever is longer, starting from the go-live date. - The bidder must maintain a sufficient inventory of spare parts (at least 5% of the supplied quantity, zone-wise) to meet the required SLA commitments. - OEM is binding to provide spares at the discovered rates during entire contract period. 	<p>1) We understand that the bidder is expected to provide at least 5% of supplied quantity, zone-wise. The zones referred for BharatNet Phase-II network are Ahmedabad, Rajkot, Vadodara and Surat.</p> <p>Please confirm</p> <p>2) Kindly confirm the definition of zones with respect to the BharatNet phase-I network</p>	<p>For better understanding of the scope</p>	<p>We are planning Two packages and Six zones in BharatNet Ph-III.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
172	52	B. Technical Specifications	<p>S. no 22: EMS for Supplied Equipment</p> <p>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).</p> <p>— NBI API Standards should be base</p> <ul style="list-style-type: none"> o T-API ONF o IETF L3SM & L2SM o SNMP <p>— SBI API Standards should be based on</p> <ul style="list-style-type: none"> o Netconf, CORBA, CLI o PCEP o BGP-LS, LLDP o gRPC/gNMI 	<p>We understand that rack mounted servers are not required as GFGNL shall provide required servers, VMs and other infrastructure resources.</p> <p>Request to review and update the clause accordingly.</p>	<p>For better understanding of the scope</p>	<p>It is clarified in "KNOW HOW" Solution</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
173	31	12.1 Supply and installation	Perpetual software licenses as per the proposed solution outlined in the Technical Specifications of this RFP.	We request to modify this as follows" Software licenses as per the proposed solution outlined in the technical specifications of the RFP"	Every OEM has a different licensing mechanism. Pls modify as suggested to allow us to qualify and participate.	<p>The contract is for 10 years for understanding the working relationships.</p> <p>The EMS of the OEM must have technology led governance of the network. EMS must offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets. Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>The OEM/bidder is essentially to integrate above EMS related aspects in the open interface of unified NMS of GFGNL for the BharatNet network assets. We are further exploring to get advance NMS system(network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						mentioned above to fulfill technology led network governance.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
174	41	13 Functional & technical Requirements ->6 Network Design & Configuration -> Solution Requirements -> Core Layer	Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swappable requirement	Pls modify the clause as " Solution equipment should have redundant power card, fan modules, and achieve hot swappable requirement for PS and Fan modules"	Fixed architectures are able to deliver higher throughput and consume lesser power and space, and as Core locations are in shelters which have controlled atmosphere, we request GFGNL team to allow the bidders to quote either fixed chassis based solution or modular chassis with redundancy of controller and switch fabric	<p>The Network cannot afford any downtime due to the any single point of failure of sub components and technical design. The same has been specified in the RFP including EPC characteristics of the deployment and design excellence.</p> <p>The device failures and network uptime is very important and non-negotiable irrespective of technical terminologies. The offered product must be in line with functionality, scalability and redundancy to deal single point failures and proven product and solution. To de-risk the Government the power to terminate the Work order is provisioned in the scope of pilot district rollout as reiterated below,</p> <p>Refer the Page-40 section 6(b) - (a- The one part is, technical configuration, right traffic engineering/re-engineering, identification of stress point, and overall solution within one jurisdiction and one pocket (i.e.one block and one district, internet breakout, Intranet) and with an objective to validate and freeze the technically implementable aspects with active role of expert which is OEM in this case. OEM has to ensure successful implementation of pilot block and pilot district first which will be replicated in rest</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						<p>geography by bidder</p> <p>The failure during this pilot pocket shall be the good reason for termination of the entire workorder without any scope of negotiation or doubts.</p> <p>The failure shall be considered risky propositions for replicating the problems and hence without paying any financial compensations the workorder shall be terminated and the entitlement for issuing the workorder to next in sequence may be considered as already stipulated provision in the RFP.</p> <p>Kindly refer additional clause table.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
175	41	13 Functional & technical Requirements ->6 Network Design & Configuration -> Solution Requirements -> Aggregation Layer	Solution equipment should have redundant power card, fan modules, and achieve hot-swappable requirement.	Pls modify this as follows" Solution equipment should have redundant power card, fan modules"	Request you to consider to remove hot swppability requirement of FAN modules as these are not accessible from the front of the rack and hence this functionality will be difficult and cumbersome to achieve in the field.	Hot swappable requirement if it is not accessible from the front of the rack then it is not mandatory. However, it is obligatory on part of the bidder/OEM to proactively check the failure of one of the Fan modules in advance to avoid ripple effect of shutdown of the equipment. In event of any failure because of this requested relaxation then penalty of Rs 50,000/- shall be applicable per node. Thus, the bidder / OEM may like to opt for this relaxation / option with due diligence.
176	41	Section 6. sub clause C - point 11	Proposed Transport equipment and network equipment should be individually able to support high capacity DWDM and IPMPLS	Proposed Transport equipment and network equipment should be individually able to support high capacity DWDM and IPMPLS with all the restorative and service capabilities defined under	As restorative and service capabilities are essential to meet the service requirement of the proposed project,	This is basically to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation. The OEM product must have technology led governance of the network and must

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				functional requirements.	availability of these functionalities across all the Network and transport nodes are mandatory, hence request you to consider these functionalities across all nodes supplied for this project	<p>offer all standard and widely demand features in the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience, simplified configurations, and zero touch provisioning. The offered product must be of the best available EMS solution as well.</p> <p>Any dilutions and any sub-standard product is the good reason to reject the solution and terminate the contract without any compensations.</p> <p>Yes, Proposed Transport equipment and network equipment should be individually able to support high capacity DWDM and IPMPLS with all the restorative and service capabilities defined under functional requirements in later and spirit without saying and writing much further on this. Kindly refer additional clause table for clarification.</p>
177	41	Section 6. sub clause C - point 12	Solution should dynamically manage sudden and heavy traffic and acknowledge is any traffic congestion or failure	Solution (Core & Aggregation network) should dynamically manage sudden and heavy traffic and implement intelligent traffic rerouting and multi area protection,	A complete network architecture for GFGNL can only be fulfilled when intelligent	This is implied ask of Telco grade network under this RFP scope.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				solution should be designed to work seamlessly across both Core and Aggregation network	traffic recognition, service identification and service protection across multiple domains spanning Core (transport) and Aggregation (network) can be done dynamically and without manual intervention, hence request you to consider this across the network	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
178	41	Section 6. sub clause C - point 13	Software defined network (SDN) for defining, deploying, delivering, and deciding services in quicker way and in other words Zero touch provisioning for managing high performance network. Centralized GUI orchestration for all layers and all devices service all layers	Software defined network (SDN) for defining, deploying, delivering, and deciding services in automated way across both Core and Aggregation layers managing high performance network. Centralized GUI based service orchestration across both Core and Aggregation layers including all devices serving these layers.	Automated provisioning is the more important and ability of services to be orchestrated across all layers are the key requirement, hence have requested to consider the same for more clear response.	As already responded in query 176

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
179	41	Section 6. sub clause C - point 16	The solution must enable inter-district and block-level services without routing traffic through the SDC. The system should support direct traffic delivery between any sub block and another sub block across districts	The solution must have intelligence to look at application traffic across both Core and aggregation layers and enable inter-district and block-level services without routing traffic through the SDC. The system should support direct traffic delivery between any sub-block and another sub-block across districts	Traffic is mostly based on what kind of application traffic will flow towards which direction, hence capability to look at what kind of application traffic hits the network(Core & aggregation) and how the application traffic is to be routed needs to be done by all the network equipments mentioned in the design, we request you to	<p>The purpose of transport network is to maintain seamless flow of traffic from anywhere to any place in any part of the BharatNet Ph-I , II , III network.</p> <p>The system/solution should support direct traffic delivery between any sub-block and another sub-block across districts for capacity selling and efficient internet breakout aspects for the better user experiences. The solution should not be bottleneck to above intended objective.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					confirm if this understanding is correct and all the network equipments including core and aggregation layers much have the above mentioned capability.	
180	43	Section 6. sub clause C - clause 19 point C	Equipment shall run on DC input voltage in the range of -42V DC to-60V DC. and shall operate at ambient temperatures in the range of '-5 °C to +55 °C to sustain operation during outage, 5% to 85% Relative Humidity. All proposed equipments (core and aggregation) must be complied to Tests mentioned under category B of QM 333, OEM to produce	Equipment shall run on DC input voltage in the range of -42V DC to-60V DC. and shall operate at ambient temperatures in the range for Core equipments (0 °C to +40 °C) and for aggregation equipments (0 °C to +55 °C) to sustain operation during outage, 5% to 85% Relative Humidity. All	Core equipments will be in temperature controlled shelter locations hence their operation temperature needs to be in 0 to 40 deg, where as aggregation	The EPC Solution is to be designed keeping Indian atmosphere in considerations.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			certification to validate the same	proposed equipments (core and aggregation) must be complied to Tests mentioned under category B of QM 333, OEM to produce certification to validate the same	devices will go into uncontrolled atmosphere, where in we will need 0 to 55 deg, these are defined in QM 333, along with many other important parameters, hence QM 33 standard and identifying the Category B is ideal for the requirement	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
181	Page 2 - Corrigendum -I	Corrigendum-I / Pre-Bid	Interested agencies can send their queries on or before 03/01/2025 11:55 PM 08/01/2025, 11:55 PM	Interested agencies can send their queries on or before 14/01/2025 5PM	as this is design-based RFP for both Phase 1 and 2, all bidders and OEM will get more details of existing network of Phase 1 & 2 during know how session on 9th January, we may need to submit few more queries based on know how session hence we are requesting you to extend the time of prebid query submission till 14th January	As per Corrigendum-I

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
182	Page 26	10. Eligibility criteria - Point number 5	OEM should have supplied minimum 300 numbers of Quoted technology solution equipment in last 3 years as on date of bid submission for atleast two different customers. Order may be considered in phase manner in asked time period.	Request you to clarify: is 300 number of quoted technology solution equipment means "total 300 Nos spread between two customers"?		The Transport network is very critical technically and any un-researched technology may adversely impact all the underlined investment in the BharatNet. Thus, this qualification scanner is specifically provisioned to protect the government image and possibility of sub-optimal outcome. The intend of the RFP is to ascertain evaluation on quoted technology and wider acceptability in the market to de-risk BharatNet.
183	Page 26	10. Eligibility criteria - Point number 5	OEM should have supplied minimum 300 numbers of Quoted technology solution equipment in last 3 years as on date of bid submission for atleast two different customers. Order may be considered in phase manner in asked time period.	Request you to amend as per following : OEM should have supplied minimum 300 numbers of Quoted technology solution equipment in last 6 years as on date of bid submission for atleast two different customers. Order may be considered in phase manner in asked time period."	due to nature of this large projects with long gestation period we request you to consider 6 year timeline instead of 3 years	This qualification scanner is specifically provisioned to protect the government image and possibility of sub-optimal outcome. The intend of the RFP is to ascertain evaluation on quoted technology and wider acceptability in the market to de-risk BharatNet.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
184	Page 28	11. Technical Evaluation Criteria - Point Number 3	<p>OEM should have supplied minimum 300 numbers of Quoted technology solution equipment in last 3 years as on date of bid submission for atleast two different customers.</p> <p>Quoted technology solution equipment (in number)</p> <p>≥300 to < 350 numbers = 10 marks</p> <p>≥350 to <400 numbers = 15 marks</p> <p>≥400 numbers = 20 marks</p>	Request you to clarify: is 300 number of quoted technology solution equipment means "total 300 Nos spread between two customers"?		Looking at size of the deployment under this RFP, the number of deployments as specified is for each customer. This is basically to ascertain wider acceptability of the quoted technology in the Telecom space.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
185	Page 69	8 Annexure VIII: MAF	<p>Last paragraph of MAF: "We hereby confirm that the offered Product in the referenced RFP will be provided unconditionally with a back-to-back warranty, support services and parts availability etc. for proposed product etc. available for the period of Ten years from FAT through M/s _____ (SI/Bidder). We also confirm that offered product will not be EOL within 10 years from Bid submission date."</p>	<p>Request you to amend as per following ""We hereby confirm that the offered Product in the referenced RFP will be provided with a back-to-back warranty, support services and parts availability etc. for proposed product etc. available for the period of Seven years from date of bid submission through M/s _____ (SI/Bidder). We also confirm that offered product will not be EOS (End of Support) within 7 years from Bid submission date.""</p>	<p>as this is large RFP and complex network implementation and FAT date will be not known exactly. Hence we request you to amend this term.</p>	<p>As per RFP</p>
186	page 40	13.A.6.a	<p>Existing Network Layouts: GFGNL will provide the details and layouts of the existing OFC network for the respective locations post NDA sign off.</p>	<p>is GFGNL going to share field fiber losses as part of OFC network?</p>	<p>Clarity required for network design</p>	<p>Kindly refer design criteria in clause 13A.6.C, and the requirement has been clearly mentioned to mitigate fiber losses along with O&M margin.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
187	page 40	13.A.6.C	<p>Fiber Loss: Network should be designed on parameters:</p> <ol style="list-style-type: none"> 1. Section/Span Loss - 32db inclusive of O&M Margin of 5db 2. End to end link Optical parameters - Power Per Channel, OSNR Should be based on Fiber Span Margin of 5db. i.e. better than 12db for 100G and better than 18db for 200G. 3. End-end Optical Link distance should be around 300Kms. 10% variance in Optical link distance will be allowed in consultation with GFGNL. 4. Average span length between ILA can be taken as 50Km for Planning of the Optical Link. 5. ILA Amplifier gain may be planned accordingly to meet Section/Span Loss. 	<p>DWDM link engineering needs to be done based on which factor</p> <p>Option-1: Actual loss plus 5dB repair margin</p> <p>Option-2: Fiber loss derived from length of span multiplied by fixed factor (for e.g. 0.3dB/Km) plus 5dB repair margin</p>	<p>Clarity required for network design</p>	<p>Kindly refer design criteria in clause 13A.6.C, and the requirement has been clearly mentioned to mitigate fiber losses along with O&M margin.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
188	page 40	13.A.6.C	<p>Fiber Loss: Network should be designed on parameters:</p> <ol style="list-style-type: none"> 1. Section/Span Loss - 32db inclusive of O&M Margin of 5db 2. End to end link Optical parameters - Power Per Channel, OSNR Should be based on Fiber Span Margin of 5db. i.e. better than 12db for 100G and better than 18db for 200G. 3. End-end Optical Link distance should be around 300Kms. 10% variance in Optical link distance will be allowed in consultation with GFGNL. 4. Average span length between ILA can be taken as 50Km for Planning of the Optical Link. 5. ILA Amplifier gain may be planned accordingly to meet Section/Span Loss. 	<p>Criteria for merging of span for optimum number of ILA in network</p> <p>Sum of span loss less than or equal to 27dB</p> <p>Span loss can be derived from field fiber loss or fixed factor as mentioned in above query</p>	Clarity required for network design	Kindly refer design criteria in clause 13A.6.C, and the requirement has been clearly mentioned to mitigate fiber losses along with O&M margin.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
189	page 40	13.A.6.C	<p>Fiber Loss: Network should be designed on parameters:</p> <ol style="list-style-type: none"> 1. Section/Span Loss - 32db inclusive of O&M Margin of 5db 2. End to end link Optical parameters - Power Per Channel, OSNR Should be based on Fiber Span Margin of 5db. i.e. better than 12db for 100G and better than 18db for 200G. 3. End-end Optical Link distance should be around 300Kms. 10% variance in Optical link distance will be allowed in consultation with GFGNL. 4. Average span length between ILA can be taken as 50Km for Planning of the Optical Link. 5. ILA Amplifier gain may be planned accordingly to meet Section/Span Loss. 	<p>Incase fiber loss is more than 27dB whether GFGNL will rectify fiber loss before network deployment?</p>	<p>Clarity required for network design</p>	<p>Kindly refer design criteria in clause 13A.6.C, and the requirement has been clearly mentioned to mitigate fiber losses along with O&M margin.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
190	page 41	13.A.6.C	<p>1. Core Layer:</p> <ul style="list-style-type: none"> · Should be capable of supporting multiple 100G to 400G interfaces. · Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swappable requirement. 	Is understanding correct that solution can be proposed based on 100G, 200G, 300G or 400G line rate as long as it meets BW required?	Clarity required for network design	Yes as per clarification sought
191	page 42	13.A.19.c	<p>Site Power Visits and Arrangements</p> <p>Equipment shall run on DC input voltage in the range of -42V DC to -60V DC. and shall operate at ambient temperatures in the range of -5 °C to +55 °C to sustain operation during outage, 5% to 85% Relative Humidity</p>	As per international standards, suggestion to keep voltage range as -42Vdc to -57.6Vdc.	The NCS2000 PSU is designed to comply GR63 and NEBS specs. The ETSI version follows same recommendation + ETS standards. The minimum operating is 40.5V and the maximum is 48V+20%=57.6V	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
192	page 51	13.B.15	-40 VDC to -70 VDC, AC (Equipment should sustain against power variations)	In RFP, two range captured for Vdc. Hence it is requested to remove it		Pls consider as "-42 VDC to -60 VDC, AC (Equipment should sustain against power variations)
193	page 40	13.A.6.C	Fiber Loss: Network should be designed on parameters: 1. Section/Span Loss - 32db inclusive of O&M Margin of 5db 2. End to end link Optical parameters - Power Per Channel, OSNR Should be based on Fiber Span Margin of 5db. i.e. better than 12db for 100G and better than 18db for 200G. 3. End-end Optical Link distance should be around 300Kms. 10% variance in Optical link distance will be allowed in consultation with GFGNL. 4. Average span length between ILA can be taken as 50Km for Planning of the Optical Link. 5. ILA Amplifier gain may	EoL capacity for DWDM network needs to be planned as per 10G BW per OLT location. Pls clarify	Clarity required for network design	Pls refer RFP Section 13/A

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			be planned accordingly to meet Section/Span Loss.			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
194	49	23. Network Element Management System -> 24.> c) Service Performance Monitoring (Qualitative Service Visibility):	9. Real time visibility & monitoring of both Network and Application(s) for better co-relation of the Service impact pro-actively rather than re-actively. (Milli Second Level visibility: 20pps to 1000 pps for real time monitoring) for continuous real time KPIs and SLA reporting.	Pls modify this as follows " (Milli Second Level visibility: 10pps to 100 pps for Near real time monitoring)	If the traffic is sent with higher number of pps to traget servers/link might face some rejection from traget servers which will affect the monitoring of services.	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
195	49	23. Network Element Management System -> 24.> c) Service Performance Monitoring (Qualitative Service Visibility):	14. The service originating from end devices like routers at government offices or ONT at residence, the performance and quality measurement in terms of peak speed, total data consumption, server reachability should be monitored continuously in real-time and a dashboard for the same has to be created.	Pls modify this clause as " The service originating from end devices like routers at government offices or ONT at residence,the performance and quality measurement in terms of usage, server reachability ,measuring L3 Network hops latency,jitter,packet loss should be monitored continuously in near real-time and a dashboard for the same has to be created "	It will give GFGNL team End to end visibility of services	As per RFP
196	49	23. Network Element Management System -> 24.> c) Service Performance Monitoring (Qualitative	Additional Point	Solution shall support deploying lightweight, software-based agents to monitor key internal or cloud-based applications and services.	Testing methodology	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
		Service Visibility):				
197	49	23. Network Element Management System - > 24.> c) Service Performance Monitoring (Qualitative Service Visibility):	Additional Point	Solution shall provide easy sharing of interactive monitoring views to aid internal teams and external providers and vendors to collaborate to solve problems fast.	Keeping transparency while sharing the data	As per RFP
198	45	23. Network Element Management System:	GIS, ERP, and NMS Integration	This will require a Workflow system as well on top of HCO or CNC. Need to check if GFGNL have any existing workflow system or Cisco can propose Crosswork WFM.	The integration of all these entities will require multiple other systems like workflow management etc, which has not been asked in the RFP, please do clarify that bidders need to	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					<p>position all the remaining entities to ensure integration, request you to add workflow management details as part of RFP, as this will have serious implications on the overall functional achievement</p>	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
199	41	Network Design:	<p>1. Core Layer: Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swappable requirement.</p> <p>2. Aggregation Layer: Solution equipment should have redundant power card, fan modules, and achieve hot-swappable requirement.</p>	<p>We understand that the redundant control card and switch fabric can be provided through network level redundancy, and a single chassis box is not required. In that case power card and fan hot-swappable feature will not be required. Kindly confirm.</p>		Refer sr. no. 174

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
200	51	Compliance	ITU-T Recommendation, ETSI and IETF Standards, Latest TEC-GR for Quoted technology solution equipment	<p>The Services section covers a broad range of Unicast, Multicast, and Broadcast services. We would like to gain a better understanding of the specific services that need to be implemented. Based on this information, we will be able to provide a response to the ITU-T, ETSI, IETF and TEC-GR, as it includes a wide scope of compliance requirements. We also suggest if the equipment is meeting international norms, TEC GR may be asked as optional requirement for specific use cases only.</p> <p>Kindly confirm.</p>		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
201	51	Service Type	Unicast, Multicast and Broadcast services Point to Point, Point to Multi Point and Multi point to Multi point service IPv4 and IPv6 (capability of minimum 2 lakh Ipv4 / 1 lakh Ipv6 routes)	Considering the targeted services to be deployed on this network, asked numbers are too high, we request to kindly reduce these numbers to 96K in FIB, kindly confirm.		As per RFP
202	51	Temperature Range	Equipment should be complied with QM333 standard.	Kindly allow similar international environment standards in place of QM333. Kindly confirm.		As per RFP
203	51	Power Card and FAN Unit	Redundant, Hot-swappable	We understand that, FAN and Power should be redundant in chassis, request you to kindly make hot-swappable as optional or not mandatory. Kindly confirm.		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
204	52	Timing and Synchronization	Support NTP, SyncE with ESMC, Integrated GNSS receiver, IEEE 1588v2 PTP (including G8265, G8273, G8275 profiles as applicable), External timing 1PPS and TOD. It should have internal Stratum 3E clock with holdover time of at least 4 hours	We request to kindly allow G8265/G8273/G8275 profiles as alternate options and any one can be used to support network requirement. Kindly confirm.		As per RFP
205	52	Security	Control-plane and management plane protection, RADIUS (client authentication) Local Packet Transport Services (LPTS) Authentication, Authorization, and Accounting (AAA), Terminal Access Controller Access-Control System Plus (TACACS+), Secure Shell (SSH) Layer 3, ingress and egress ACLs for IPv4 and IPv6, Layer 2 ingress ACLs,	With multiple security features available we request uRPF may be allowed as an optional requirement, which can be catered in future in need arises. Kindly Confirm.		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			MACSec Unicast Reverse Path Forwarding (Unicast RPF) IEEE802.1x			
206	52	Operation, Administration, and Management (OAM)	Ethernet OAM (IEEE 802.1ag and ITU-T Y.1731), IP SLA, MPLS OAM (link BFD, Ping, Trace-route), Y.1564, RFC 2544 Generator, Model/Event Driven Telemetry	We request to allow TWAMP as alternate solution of IPSLA support on Routers, kindly confirm.		Yes as per clarification sought
207	51	Interfaces support	FE/GE,10G,25G,100G,200G,300G,400G and E1, STM-1/4/16 using CES Interface	We recommend that: 1. FastEthernet on core and aggregation routers is not a cost effective solution as it will waste the capacity needed, we request to accept GE as the minimum interface rate for Core and Aggregation category 2. 300G is not a standard rate so kindly remove. Kindly confirm.		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
208	51	Service Level support	All Layer-2 and Layer-3 Services, IPMPLS, MEF CE3.0 (E-Line, ELAN, E-Tree, E-Access, E-Transit), PN and VPN based Ethernet and IP, EVPN, Segment routing, Link Aggregation (LAG)	Considering the future requirement and controller based architecture, we recommend to include SRv6 in the request as a future-proof solution for IPv6. Kindly confirm	Recommendations	As per RFP
209	-	Flex Ethernet Support	Flex Ethernet Support on core and aggregation routers	Kindly add Flex ethernet support on router hardware for addressing future low latency requirements.	Recommendations	As per RFP
210	-	XGS-PON	Core and aggregation routers shall also support XGS-PON SFPs	Core and aggregation routers shall also support XGS-PON uOLT SFPs without changing router hardware	Recommendations	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
211	25	10. Eligibility Criteria	<p>Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40 % of these active components) in last five years as on date of bid submission. Work Order should have been issued in last five years as on date of bid submission.</p> <p>For completed projects: Go-live certificate should be provided.</p> <p>For ongoing projects: Client certificate should be provided clearly mentioning worth of</p>	<p>Kindly clear by backhaul transport network, we can provide POs for such projects where we have connected our customers on our MPLS network and we have delivered link and CPE (Router)</p>		<p>Yes.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			completed work for asked components. "			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
212	25	10. Eligibility Criteria	<p>Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40 % of these active components) in last five years as on date of bid submission. Work Order should have been issued in last five years as on date of bid submission.</p> <p>For completed projects: Go-live certificate should be provided.</p> <p>For ongoing projects: Client certificate should be provided clearly mentioning worth of</p>	Request to consider subsidiary 100% parent company Experience PO		Parent company credentials are allowed subjected to undertaking from the parent company to support the skillset, expertise, knowhow and financial strength to the 100 % owned subsidiary (participating bidder) company.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			completed work for asked components. "			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
213	16	9.1 Agreement	no sub-contracting/ partnership/ third party interest shall be created	Kindly allow sub-contracting		The Project require deep expertise and technical strength to manage the design and deployment thereof. This is not supply and deployment of black boxes rather than it is Project of importance for the state and hence except field level preliminary work, the core of the design, configurations, and professional expertise neither be sub-contracted nor be outsourced.
214	-	General	Request to share complete BOQ please	Request to share complete BOQ please		This is EPC Project to bring technical creativity and strength in the design and deployment stage of this mammoth network consisting characteristic of transporting traffic from multi locations to state data center. Though the project is EPC based but to protect the risk of bidders, we have set design principles to quantify the BoQ/BoM and level playing bids. The potential bidders may go through RFP design principles indicating broad boundaries of BoQ/BoM.
215	30	12. Scope of Work:	Apart from BOM if anything is required in terms of component, Manpower, any hardware-software then bidder needs to consider in his cost.	We request GFGNL to provide detailed BOM as the BOM specified in RFP is not clear.		Please see reply at sr. no. 214

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
216	34	iii. SLA Matrix:	The Successful bidder shall provide the required services as per SLA matrix given below Maximum Rectification Time / Maximum Extended Time for Down Time (PE) between window 8am to 10pm- 2 hours Maximum Rectification Time / Maximum Extended Time for Down Time (PE) between window 10pm to 8 am- 4 hours	We request GFGNL to provide the relaxation on rectification time by 2 hours and consider as below Maximum Rectification Time / Maximum Extended Time for Down Time (PE) between window 8am to 10pm- 4 hours Maximum Rectification Time / Maximum Extended Time for Down Time (PE) between window 10pm to 8 am- 6 hours		<p>This is Business and functional requirement.</p> <p>The Network cannot afford any downtime due to the any procedural and technical deficiency to meet the SLA specified in RFP. The bidder may choose proven technology solutions to meet high uptime.</p> <p>The spares asked in the RFP is provisioned to keep MTTR low.</p>
217	36	12.6 Liquidated Damages	Penalties shall be capped as per Section 12.5, beyond which the Purchaser has the right to terminate the contract or a portion or part of the work thereof.	Please confirm if the overall penalties are capped at 10% irrespective of the type of penalty i.e. SLA/resource absence etc.		The time is essence and non-negotiable part of this RFP and hence the bidder and OEM both must collectively plan the delivery and deployment strategy to avoid risk of concern penalty cap. Further it is re-integrated that any delay attributable from the GFGNL side will not be considered in the bucket of bidder.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
218	36	12.7 Manpower Requirement	For the first one year from the date of Go-live, one of the manpower should be OEM engineer. The engineer must be on the payroll of OEM payroll prior to posting for this project	Since the OEM resources are required on 24*7 basis hence please suggest if all the resources should be on OEM payroll or off-role resources can be deployed as well.		<p>For Execution phase, requirement of manpower is as under:</p> <p>The project is on EPC based including no. of resources required for the deployment. It is the responsibility of bidder to factor in adequate technical expertise, project manager, field resources, NOC resources for timely implementation of the project with qualitative aspects and high Network uptime.</p> <p>During the pilot roll out, in any case if GFGNL found insufficient manpower or lack in technical expertise then it is good reason to ask for right deployment of manpower with right expertise in writing before moving into the replication stage during the execution.</p> <p>For O&M phase,</p> <p>Two (1 for each package) technical resources at NOC for entire O&M period of 10 years shall be provided by bidder considering shift & leave arrangement.</p> <p>For the first one year from the date of Go-live, one of the manpower should be OEM</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						<p>engineer. In case of non-deployment of OEM engineer then Rs. 3.0 Lac per month would be the penalty. For the purpose of the calculation of penalty any non-OEM engineer would be considered null and void.</p> <p>The other resources must be on Company's Payroll for this RFP / Project and certified by the OEM for technical expertise. In case of non-deployment of company engineer (non-certified engineer by OEM) then Rs. 1.0 Lac per month would be the penalty.</p> <p>For the purpose of the calculation of penalty any non-payroll company engineer / non-certified engineer would be considered null and void.</p>
219	36	12.7 Manpower Requirement	Other than OEM manpower, other resources must be on Company's Payroll and quite acquainted with deployed technologies for this project/RFP.	Please confirm if all NOC manpower required should be on bidder's payroll.		As replied Sr. no. 218

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			Training certificate to be provided in due course of time.			
220	54	15. Implementation Timeline & Penalties:	Maximum penalty cap for all types of penalties as mentioned above is 20% of actual payable capex value.	Penalty is very high, we request GFGNL to cap the penalty at maximum of 10% of the actual payable capex value.		The time is essence and non-negotiable part of this RFP and hence the bidder and OEM both must collectively plan the delivery and deployment strategy to avoid risk of concern penalty cap. Further it is re-integrated that any delay attributable from the GFGNL side will not be considered in the bucket of bidder.
221	25	PQ-2	The Bidder should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Telecom - Networking only.	"This is Infrastructure project; So please confirm The turnover asked from Infrastructure Business only."	"This is an SI project. Kindly provide clarity on whether the turnover required is specific to Capex-based SI projects/"	As per RFP
222	25	PQ-2	Subsidiary company turnover would be considered in lead (parent) company turnover,subject to	Requesting to please remove this part.	"As the subsidiary is a separate legal entity, it is requested	Parent company credentials are allowed subjected to undertaking from the parent company to support the skillset, expertise, knowhow and financial strength to the 100

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			submission of requisite documents to GFGNL.		to consider only the PQ and TQ credentials of the bidder."	% owned subsidiary (participating bidder) company.
223	25	PQ-4	Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40 % of these active components) in last five years as on date of bid submission.	Please confirm whether the 5-year timeline is to be considered from the Date of Purchase Order (PO) or the Date of Project Go-Live?	"Over the last 5 years, 2 years were impacted due to the pandemic. Therefore, we kindly request that similar experience from the last 7 years be considered."	Yes, 7 years for wider competition
224	25	PQ-4	components like Backhaul transport network (with minimum 40 % of these active components)	"Components such as Backhaul Transport, MPLS Backbone Network, and SDN Network (with at least 40% of these active components)."	"We kindly request you to consider MPLS and SDN projects as well."	Backhaul Transport Network expertise includes IP-MPLS routers, DWDM, PTN, OTN, RON, CPAN, Transport SDN.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
225	27	PQ-10	The Bidder should have valid ISO 9001: 2015 and ISO 27001:2022 as on last date of bid submission.	The Bidder should have valid ISO 9001: 2015 and ISO 27001:2022 and CMMI Level 3 as on last date of bid submission.	This is very IMP project for GFGNL so please ask for CMMI in PQ or TQ.	The Bidder should have valid ISO 9001: 2015 and ISO 27001:2022 or ISO 27001:2013 as on last date of bid submission.
226	28	TQ-1	For each Project worth \geq 16 Cr: 20 Marks — For each set of 2 projects worth \geq 12 Cr: 15 Marks — For each set of 3 projects worth \geq 8 Cr: 10 Marks	For each Project worth \geq 30 Cr: 20 Marks — For each set of 2 projects worth \geq 16 Cr: 15 Marks — For each set of 3 projects worth \geq 12 Cr: 10 Marks	The PQ and TQ requirements are currently the same. As per the QCBS design, the TQ should have higher requirements than the PQ. We kindly request you to amend the same."	Please see revised PQ/TQ criteria
227	28	TQ-2	The Bidder should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the	The Bidder should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of	"As this is a Capex Infrastructure Project, we kindly request confirmation that the turnover	Please see revised PQ/TQ criteria

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			business of Telecom - Networking only.	Telecom - Networking Infrastructure only.	requirement is considered only from Capex Infrastructure Projects."	
228	33	Warranty	The bidder shall provide a Comprehensive Onsite Warranty with upfront replacement for the entire lifecycle of the contract or a minimum of 10 years, whichever is longer, starting from the go-live date	Requesting to please add this ask in the MAF format OR as Undertaking from OEM; as warranty owner is OEM not bidder.	This project delivery in multiple phase; So please help with Partial Golive and Prorata basis warranty start dates.	The OEM & Bidder shall provide a Comprehensive Onsite Warranty with upfront replacement for the entire lifecycle of the contract or a minimum of 10 years, whichever is longer, starting from the go-live date. This clause is purposed for the OEM to declare in the MAF and it is non-negotiable condition. It is good reason to drop the bid. However to make go-live process smoother, BharatNet Phase-II and BharatNet Phase-III seperate Go-Live will be considered as 90% of scope of the work of respective phase with valid reasons for pending sites.
229	53	Supply timelines	T+90 Days	T+120 Working Days	requesting to please provide min 120 Days to supply	This is time bound mission and success is highly critical for BharatNet Phase-III and hence it is non-negotiable timelines
230	52	I&C timelines	T+180 Days	T+ 240 Days	requesting to please provide min 120 Days for I&C	This is time bound mission and success is highly critical for BharatNet Phase-III and hence it is non-negotiable timelines

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
231	56	Payment Supply	20% of total CAPEX value of supplied equipment in a respective batch	60% of total CAPEX value of supplied equipment in a respective batch	for Such a Capex RFP; for smooth project delivery against supply min 60% payment requested.	As per RFP
232	56	Payment I&C	20% of total value of material installed at various sites as derived from the certified installed quantity and unit price discovered in priced BOQ.	30% of total value of material installed at various sites as derived from the certified installed quantity and unit price discovered in priced BOQ.	for Such a Capex RFP; for smooth project delivery against I&C min 30% payment requested.	As per RFP
233	New point	PQ / TQ	Clarification	for any Project which is Delivered as Consortium by multiple bidders (X & Y). How the X bidder can use the credential of delivered project for this RFP?	Requesting to please clarify this part as for any Specific project which delivered under Consortium. Either X bidder OR Y bidder can	It is burden on the bidder to prove the eligibility and separate the financials to avoid rejections.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					use the credential of project, Not both of them.	
234	New point	PQ / TQ	Clarification	For Above Case; Can bidder Y also use the same credential and participate this RFP?		It is burden on the bidder to prove the eligibility and separate the financials to avoid rejections.
235	28	TQ	f) Re-deployment plan of existing transport network along with service support – 6 marks (For Package A - 3 marks & For Package B – 3 marks)	Kindly Remove this Point; As There is a Provision of buyback in Price bid.	This TQ point is advantage to incumbent OEMs of current network. In price bid we kept buyback which is making all bidders / OEM at par. And added transparency & fairness in the RFP.	The buy back or re-deployment option is to mitigate govt. losses. The ask of integration of old with the new devices is avoided for wider competition and allowing new Bidder / OEMs equal chance to deploy.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
236	25	PQ-4	Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40 % of these active components) in last five years as on date of bid submission.	Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 25 crores/ Two Project having minimum 15 Cr/ Three Project having minimum 10 Cr having components like Backhaul transport network / MPLS / SDN in last five years as on date of bid submission.	Requesting to please increase the Active networking project value as the ECV and past experinace ask is not matching.	Please see revised PQ/TQ criteria
237	New point	New Point	Only those Bidders who attend the Prebid & Knowhow Section will allowed to Participate in the RFP.		Reuesting to please acknowledge this point.	The arranging "Know - How" session is for wider participations and extending network related knowledge and future objective for designing the EPC model.
238	-	General	How many Blocks to be considered			Pls refer RFP Section 13/A
239	-	General	How many exchange (ring blocks to be considered)			Pls refer RFP Section 13/A

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
240	51	B Technical Specifications	ITU-T Recommendation, ETSI and IETF Standards, Latest TEC-GR for Quoted technology solution equipment	ITU-T Recommendation, ETSI and IETF Standards, Latest TEC-GR / MEF / CE certified OS/family for Quoted technology solution equipment		As per RFP
241	51	B Technical Specifications	MTCTE, NCCS	MTCTE, NCCS / EAL3+ / NDPP certified (Network Device Protection Profile) or under Common Criteria Program for security related functions.	Kindly consider global security certifications for larger participation	As per RFP
242	51	B Technical Specifications	FE/GE,10G,25G,100G,200G,300G,400G and E1, STM-1/4/16 using CES Interface	GE,10G,25G,100G,200G,300G,400G	FE, E1, STM-1/4/16 are legacy interfaces and not required for high-speed GFGNL network	As per RFP
243	51	B Technical Specifications	Electrical, Colored C/DWDM, Tunable, Coherent, non-colored, Compact SFP (CSFP), SFP+, QSFP28, CFP2, CFP, and	Electrical 1G, Colored C/DWDM, Tunable, Coherent, non-colored, Compact SFP (CSFP), SFP+, QSFP28,	CFP2, CFP, etc are large form-factor and consume high power resulting in	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			bidirectional CSFP/SFPs/SFP+s	bidirectional SFPs/SFP+s	higher space utilization. Hence, kindly omit these interfaces.	
244	51	B Technical Specifications	All Layer-2 and Layer-3 Services, IPMPLS, MEF CE3.0 (E-Line, ELAN, E-Tree, E-Access, E-Transit), PN and VPN based Ethernet and IP, EVPN, Segment routing, Link Aggregation (LAG)	All Layer-2 and Layer-3 Services, IPMPLS, MEF CE3.0 (E-Line, ELAN, E-Tree, E-Access, E-Transit), PN and VPN based Ethernet and IP, EVPN, Segment routing, Link Aggregation (LAG), MPLS mVPN (Multicast VPN), Inter-AS VPN, 6PE, 6VPE	These services features are mandatory for interoperability with other service-providers, future e-gov services, Bharatnet, etc. Also these are base-line IP-MPLS industry standard features and supported by all leading IP-MPLS OEMs.	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
245	51	B Technical Specifications	New Clause	<p>Protocol Support: MPLS TE (Fast re-route), Segment routing Traffic engineering, TI-LFA with IGP (Link, Node, Local SRLG, Remote SRLG protection), PCEP, Segment Routing for IPv6, BFD, micr-BFD, min 16 path ECMP paths, MC-LAG, BGP link-state (BGP-LS), BGP Labeled Unicast (LU) as per RFC 3107, Border Gateway Protocol, IS-IS, and Open Shortest Path First (OSPFv2 and OSPFv3), Virtual Router Redundancy Protocol (VRRP), IPv6 Routing, and BGP Prefix Independent Convergence (EDGE and Core), G.8032v2, MC-LAG</p>	<p>These protocols are mandatory for interoperability with other service-providers, future e-gov services, Bharatnet, etc. Also these are base-line IP-MPLS industry standard features and supported by all leading IP-MPLS OEMs.</p>	<p>This can be treated as additional feature which bidder can offer for better functionality and wider acceptance. Rest as per RFP.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
246	51	B Technical Specifications	IPv4 and IPv6 (capability of minimum 2 lakh Ipv4 / 1 lakh Ipv6)	IPv4 and IPv6 (capability of minimum 5 lakh Ipv4 and 1 lakh Ipv6), MPLS Labels : 12K, Label Stack depth : 8	GFGNL needs to be high-scale network considering current and future services projections as per RFP to support various govt project and services.	As per RFP
247	51	B Technical Specifications	Control-plane and management plane protection, RADIUS (client authentication) Local Packet Transport Services (LPTS) Authentication, Authorization, and Accounting (AAA), Terminal Access Controller Access-Control System Plus (TACACS+), Secure Shell (SSH) Layer 3, ingress and egress ACLs	Control-plane and management plane protection, RADIUS (client authentication) Local Packet Transport Services (LPTS) Authentication / ACLs, Authorization, and Accounting (AAA), Terminal Access Controller Access-Control System Plus (TACACS+), Secure Shell (SSH) Layer 3, ingress and egress ACLs for IPv4 and	Local Packet Transport Services (LPTS) is vendor specific. Different OEMs have different ways to implement and same functionality can be achieved by control plane policing.	Local Packet Transport Services (LPTS) Authentication or equivalent is allowed

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			for IPv4 and IPv6, Layer 2 ingress ACLs, MACSec Unicast Reverse Path Forwarding (Unicast RPF) IEEE802.1x	IPv6, Layer 2 ingress ACLs / MACSec Unicast Reverse Path Forwarding (Unicast RPF) IEEE802.1x	Kindly amend this clause.	
248	51	B Technical Specifications	1) Core Layer: Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swapable requirement.	Can we consider DHQ locations (=34) as Core Layer. Kindly clarify the no of Core nodes		This is EPC design and expertise of the OEM and bidder is implied to plan such mammoth network to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the entire traffic.
249	51	B Technical Specifications	New Clause	Router / Router OS of same series / family should be tested in Multi-OEM environment for IP-MPLS and Segment routing in any of the following :EANTC or equivalent	For evaluation based on relevant usecases for GFGNL and validating standard interop.	As per RFP
250	51	B Technical Specifications	Equipment should be complied with QM333 standard	Equipment should be complied with QM333 standard or equivalent global standard.	For larger participation.	As per RFP
251	51	B Technical Specifications	New Clause	Router should support SRv6 feature from day-1 . Router ASIC should be capable of supporting SRv6		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				natively and inter-working with SR-MPLS .		
252	38	12.1.7	<p>The successful bidder should design the DCN network for the network devices and provide DCN devices e.g. routers and switches if required. GFGNL will confirm the design and provide necessary IP address and bandwidth in existing network set up. The external DCN plan for network management is to be finalized by the bidder and duly approved by GFGNL before the implementation of the same.</p> <p>The network devices should remain accessible from EMS even in case of cuts in OFC routes. The network should support multi-Homing features.</p>	<p>Kindly freeze baseline features requirement for DCN router suggested as follows:</p> <p>24 x 1G + 4 x 10G with 20k IPv4 routes, 5k IPv6 routes, IP-MPLS, L3VPN, L2VPN, EVPN, LDP, Segment Routing, RSVP-TE, Telemetry, NETCONF, YANG support from Day-1 with all necessary pluggables and perpetual licenses.</p>	<p>For level-playing field of DCN solution from all bidders minimum specification is required. Kindly consider.</p>	<p>As per RFP</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
253	39	A. Functional Requirements/ 5	All the supplied equipment must be capable to support minimum 2CNO (Three Path protection) with 100G/200G line interfaces.	All the supplied equipment must be capable to support minimum 2CNO (Three Path protection) with 100G/200G line interfaces. For Sub-Block (OLT location now)the supplied equipment must be capable to support minimum 2CNO (Three Path protection) with 100G Coherent line interfaces.	<p>OLT locations are having 10G bandwidth drop. Considering 5/6 x OLT locations in the ring, total traffic would be max 50-60 Gbps. Considering this, 100G Coherent supported line interface will suffice the requirement.</p> <p>Moreover, asking for 100G/200G interface support at 660 locations will escalate the overall project cost.</p>	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
254	28	11. Technical Evaluation Criteria / 5	b) Industry deployment use cases by OEM (For Global -4, For Global & India - 4) – 8 marks	b) IPoDWDM successful deployment and integration along with end-user certificate (Indian or global reference) use cases by OEM (For Global -4, For Global & India - 4) – 8 marks	Kindly consider relevant use-case for QCBS scoring as existing clause is favoring incumbent OEMs & Sis. For larger participation and scoring based on relevant functionality to GFGNL network, kindly consider the modification.	Please see revised PQ/TQ criteria
255	28	11. Technical Evaluation Criteria / 5	f) Re-deployment plan of existing transport network along with service support – 6 marks (For Package A - 3 marks & For Package B – 3 marks)	f) Successful deployment and integration along with end-user certificate (Indian or global reference) for Segment Routing based network - 6 marks (For Package A -	Kindly consider relevant use-case for QCBS scoring as existing clause is favoring incumbent OEMs & Sis.	We are not insisting for re-deployment (dismantling) of existing devices. It is optional. One can offer lucrative buyback offer or alternatively the existing devices may be re-deployed for mitigate govt. losses, in some clusters without compulsion of integration with the new devices. The ask of integration of old with the new devices is avoided for wider competition

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				3 marks & For Package B – 3 marks);	For larger participation and scoring based on relevant functionality to GFGNL network, kindly consider the modification.	and allowing new OEMs equal chance to deploy.
256	52	22) EMS for Supplied Equipment	NBI API Standards should be base o T-API ONF o IETF L3SM & L2SM o SNMP	NBI API Standards should be base o T-API ONF / gRPC / gNMI / REST-API o IETF L3SM & L2SM / XML / Kafka / JSON / o SNMP	Kindly consider standard interfaces for wider participation.	The alternative standards may be allowed subjected asked functionality.
257	19	9.15 Rejection Criteria	d. If the information provided by the Bidder is found to be incorrect / misleading at any stage / time during the bid evaluation process or during Contract period after selection of the bidder.	We request you to amend the clause as mentioned below: d. If the information provided by the Bidder is found to be incorrect / misleading at any stage / time during the bid evaluation process or during Contract period after selection of the bidder even	Relevant Queries to be asked by the authority in case of any confusion in the submittals, which bidders need to respond in given timelines.	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				after seeking clarifications from the bidder/ contractor in case of any discrepancies.		
258	10	Eligibility Criteria	The Bidder should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Telecom - Networking only. Subsidiary company turnover would be considered in lead (parent) company turnover, subject to submission of requisite documents to GFGNL.	We request you to amend the Average Annual Turnover clause as mentioned below: The Bidder should have average annual turnover of Rs 550 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Telecom - Networking only. Subsidiary company turnover would be considered in lead (parent) company turnover, subject to submission of requisite documents to GFGNL.	To allow participation of bidders with good financial standing	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
259	34	12.5 SLA Objectives	In case penalty reaches maximum (20% of actual payable capex value) for two consecutive quarters, the purchaser (GFGNL) may invoke termination clause as per RFP.	We request you to amend the SLA penalty clause as mentioned below: "In case penalty reaches maximum (10% of actual payable capex value) for two consecutive quarters, the purchaser (GFGNL) may invoke termination clause as per RFP."	To allow participation of bidders with good financial standing	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
260	56	19. Terms of payment	<p>Payment Terms:</p> <ol style="list-style-type: none"> 1. Supply of Items by SI - 20% of CAPEX 2. Installation and configuration of supplied equipment to complete backhaul upgrade as per scope of work of this RFP - 20% of CAPEX 3. Completion of first cooling period of 90 days - 15% of CAPEX 4. Completion of second cooling period of 90 days - 15% of CAPEX 5. Providing Comprehensive Warranty for 10 Years - At the end of each year post go-live. <ul style="list-style-type: none"> Year 1 - 2% Year 2 - 2.25% Year 3 - 2.5% Year 4 - 2.75% Year 5 - 3% Year 6 - 3.5% Year 7 - 3.5% Year 8 - 3.5% Year 9 - 3.5% Year 10 - 3.5% 	<p>We request you to amend the payment terms as mentioned below:</p> <p>Payment Terms:</p> <p>10% interest free mobilisation advance against submission of ABG</p> <ol style="list-style-type: none"> 1. Supply of Items by SI - 50% of CAPEX on prorata basis 2. Installation and configuration of supplied equipment to complete backhaul upgrade as per scope of work of this RFP - 10% of CAPEX on prorata basis 3. Completion of first cooling period of 90 days - 5% of CAPEX 4. Completion of second cooling period of 90 days - 5% of CAPEX 5. Providing Comprehensive Warranty for 10 	<p>Business Requirement so that OEMs can be paid on time and project can be completed without any hurdle.</p>	<p>Pls refer revised PQ/TQ.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				Years - At the end of each year post go-live. Year 1 - 2% Year 2 - 2% Year 3 - 2% Year 4 - 2% Year 5 - 2% Year 6 - 2% Year 7 - 2% Year 8 - 2% Year 9 - 2% Year 10 - 2%		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
261	53	15. Implementation timelines	<p>Implementation Timeline & Penalties:</p> <ol style="list-style-type: none"> 1. Signing of Agreement - T+15 Days 2. Supply of items by SI - T+90 Days 3. Installation and configuration of supplied equipment to complete backhaul upgrade as per scope of work of this RFP. - T+180 Days 	<p>We request you to amend the timelines as:</p> <p>Implementation Timeline & Penalties:</p> <ol style="list-style-type: none"> 1. Signing of Agreement - T+15 Days 2. Supply of items by SI - T+150 Days 3. Installation and configuration of supplied equipment to complete backhaul upgrade as per scope of work of this RFP. - T+270 Days 	<p>To meet the lead time of OEMs & considering the huge scope, timelines extension is requested.</p>	<p>This is time bound mission and success is highly critical for BharatNet Phase-III and hence it is non-negotiable timelines</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
262	53	15. Implementation timelines	<p>2. Supply of Items by SI - 1% of total value of delayed item (as per Price BOQ) per week up to 4 weeks, further 2 % per week up to 12 week and delay beyond 12 weeks from Schedule timeline, GFGNL may terminate the contract and Forfeit the PBG)</p> <p>3. Installation and configuration of supplied equipment to complete backhaul upgrade as per scope of work of this RFP - 2% per week up to 4-week Delay Beyond 4 weeks from Schedule timeline, GFGNL may terminate the contract and Forfeit the PBG)</p>	<p>We request you to relax the penalties defined in RFP as below:</p> <p>2. Supply of Items by SI - 0.1% of total value of delayed item (as per Price BOQ) per week up to 4 weeks, further 0.5 % per week up to 12 week and delay beyond 12 weeks from Schedule timeline, GFGNL may terminate the contract and Forfeit the PBG)</p> <p>3. Installation and configuration of supplied equipment to complete backhaul upgrade as per scope of work of this RFP - 0.2% per week up to 4-week Delay Beyond 4 weeks from Schedule timeline, GFGNL may terminate the contract and Forfeit the PBG)</p>	As per standard RFP conditions	This is time bound mission and success is highly critical for BharatNet Phase-III and hence it is non-negotiable timelines

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
263	26	10. Eligibility Criteria	<p>The Bidder shall submit undertaking on respective OEM letterhead from each of the OEM - confirming the following: OEM shall ensure that all equipment/components/sub-components being supplied by them shall be supported with comprehensive onsite warranty for minimum 10 Years or EOS (End of Support) date declared by OEM whichever is later (from date of Bid submission). In case of EOS for atleast 7 Years and above, For remaining duration of 10 years, SI must ensure service availability by housing spares, additional equipment, new equipment wherever needed.</p>	<p>Request you to reduce the required warranty period from 10 years to 5 years, kindly amend the clause as: The Bidder shall submit undertaking on respective OEM letterhead from each of the OEM - confirming the following: OEM shall ensure that all equipment/components/sub-components being supplied by them shall be supported with comprehensive onsite warranty for minimum 10 Years 5 Years or EOS (End of Support) date declared by OEM whichever is later (from date of Bid submission). In case of EOS for atleast 7 Years 5 Years and above, For remaining duration of 10 years, SI must ensure service</p>	<p>As per the prevailing norms, the maximum warranty period provided by most of the OEM is typically limited to 3 years and 2 years of extended warranty. Beyond this timeframe, maintenance and performance guarantee become challenging. Many critical components may become obsolete (EOL) withing 5-7 years of period. Cost</p>	<p>As per RFP</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				availability by housing spares, additional equipment, new equipment wherever needed.	implications - Managing equipment post EOL involves higher procurement cost and maintenance cost, as replacement or upgrades might be required. Technological advancement - Rapid advancements in technology could render older system inefficient or incompatible and it will increase the overall risk of maintaining outdated systems over	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					a10 year horizon	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
264	53	14. Warranty and Services	The successful bidder shall provide on-site comprehensive warranty for 10 Years for all supplied Network Devices, including part replacement /repairs at no cost to GFGNL within 24 hours of reporting, hardware related software updates; upgrades; patches and bug fixes for hardware and related Software from OEM for 24 x 7 x 365 days and operating support as and when required.	Request you to reduce the required warranty period from 10 years to 5 years, kindly amend the clause as: The successful bidder shall provide on-site comprehensive warranty for 10 5 Years for all supplied Network Devices, including part replacement /repairs at no cost to GFGNL within 24 hours of reporting, hardware related software updates; upgrades; patches and bug fixes for hardware and related Software from OEM for 24 x 7 x 365 days and operating support as and when required.		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
265	66	7 Annexure VII: Financial Bid Format	Buyback offer for existing transport equipment	<p>We request you to remove the Buyback from bidder's scope of work as bidders are not aware about the existing conditions of the equipment. It is not possible to quote for such components without any inspection.</p> <p>We suggest to take a separate proposal for buy back from the selected bidder at later stage if they are interested.</p>	Bidders are not aware about the existing conditions of the equipment. It is not possible to quote for such components without any inspection.	The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap and shared existing network details for better understanding.
266	37	12.7 Manpower Requirement:	Other than OEM manpower, other resources must be on Company's Payroll and quite acquainted with deployed technologies for this project/RFP. Training certificate to be provided in due course of time.	We request you to amend the clause as mentioned below: "Other than OEM manpower, other resources must be on Company's Payroll / sub contractors / Third party and quite acquainted with deployed technologies for this project/RFP. Training certificate to	Business Requirement	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				be provided in due course of time. "		
267	35	v. SLA for the Hardware/Service component:	Up time overall SLA during Cooling Period - 99.9 % overall Uptime	We request you to amend the SLA clause as below: "Up time overall SLA during Cooling Period - 98.5 % overall Uptime "	As per standard RFP conditions	As per RFP
268	-	General Query	Limit of Liability not mentioned in RFP	Clarification : Limit of Liability clause is not mentioned in the RFP. Kindly mention the Limit the Liability clause as: The SI's liability under the resultant Agreement shall be determined as per the Law in force for the time being. The SI shall be liable for loss or damage occurred or caused or likely to occur on account of any act of omission on the part of the SI and its employees, including loss caused on account of defect in goods or deficiency	Limitation of Liability is a standard clause in all government RFP which need to be incorporated.	Yes Accepted. The Standard clause in the recent USOF laid RFP as below: Notwithstanding anything to the contrary in this Contract, the liability of the PIA towards the Authority Indemnified Persons for any damages or compensation of any nature whatsoever under this Contract, shall not exceed Total cost of Project awarded to PIA. For the avoidance of doubt, the limitation hereunder shall not apply to any or all liabilities in respect of third parties. The Parties agree that the PIA's liability will be uncapped in case of any liabilities arising due to: (a) any amount payable as indemnity to GFGNL/ GoG/ BharatNet/GoI due to its acts or omissions or fraud, gross negligence and willful

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>in services on the part of SI or his agents or any person / persons claiming through or under said SI. However, such liability of SI shall not exceed total value of the Agreement.</p>		<p>misconduct; (b) breach of any Applicable Laws or any Applicable Permits; (c) any claims or loss on account of Intellectual Property rights violation by the PIA; (d) any personal bodily injury or death of any person caused by, arising out of or in connection with its performance of this Contract; or (e) any loss of or physical damage to property of GFGNL/ GoG/ BharatNet/GoI caused by, arising out of or in connection with the performance of this Contract.”</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
269	30	12. Scope of Work:	j) The upgraded network shall be deployed over the existing GFGNL fiber infrastructure. The design must accommodate all current services and additional future requirements specified in this document, ensuring minimal downtime during the migration to the new transport layer. The Bidder must guarantee the smooth operation of all services post-upgrade	We understand that bidder's responsibility is limited to SITC and maintenance of New DWDM components over the existing fiber. Deployment of any new fiber (OFC) network and maintenance of existing OFC network is not in bidder scope. Please confirm	Scope clarification	Two fiber cores will be provided by GFGNL
270	51	B. Technical Specifications	Core Layer Aggregation Layer	Specifications for the devices is mentioned, but the quantity of all the required devices is unknown. Kindly share the tentative quantity with respect to overall upgrade backhaul network.	Technical clarification required for estimation purpose	As per RFP; This is solution based turnkey project
271	8	3. Background and Objective	Package- A Network Architecture	Switch connectivity of 1G is mentioned whereas under port capacity it states 10G port.	Technical clarification required for estimation purpose	As per RFP and Clarified in KNOW-HOW session. Transport switch towards DWDM is 1G and towards dropping OLT 10G

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				Kindly confirm if need to consider 1G or 10G Switch connectivity		
272	30	12. Scope of Work	The Bidder shall be responsible for the supply, installation, testing, and commissioning of the Transport Backhaul network based on IP-MPLS with Integrated Coherent Optical features (IP-MPLS over DWDM) / Routed Optical Network (RON) features and seamless integration with any 3rd Party Optical Line System, including all associated equipment, as per the RFP, enabling high-capacity, dynamic and intelligent advanced traffic management	Please share the categorisation of location where IPMPLS over DWDM feature is required.	Technical clarification required for estimation purpose	As per RFP, This is solution based turnkey project

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
273	51 39	B. Technical Specifications	<p>Core Layer Equipment: Minimum 800 Gbps Aggregation Layer Equipment: Minimum 300 Gbps</p> <p>13. Functional and Technical Specifications</p>	<p>Core and aggregation layer device is 800Gbps & 300Gbps respectively.</p> <p>Whereas in Functional specifications requirement of bandwidth is 3Gbps & 10Gbps respectively.</p> <p>Kindly clarify on the requirement of 800Gbps & 300Gbps for Core and aggregation layer</p>	Technical clarification required for estimation purpose	RFP Section 13.B.4 is switching capacity of quoted solution equipment and RFP section 13.A is location wise bandwidth delivery
274	41	Network Design:	<p>1. Core Layer: Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swappable requirement.</p> <p>2. Aggregation Layer: Solution equipment should have redundant power card, fan modules, and achieve hot-swappable requirement.</p>	<p>We understand that the redundant control card and switch fabric can be provided through network level redundancy, and a single chassis box is not required. In that case power card and fan hot-swappable feature will not be required.</p> <p>Kindly confirm.</p>	Technical clarification required for estimation purpose	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
275	51	Compliance	ITU-T Recommendation, ETSI and IETF Standards, Latest TEC-GR for Quoted technology solution equipment	<p>The Services section covers a broad range of Unicast, Multicast, and Broadcast services. We would like to gain a better understanding of the specific services that need to be implemented. Based on this information, we will be able to provide a response to the ITU-T, ETSI, IETF and TEC-GR, as it includes a wide scope of compliance requirements. We also suggest if the equipment is meeting international norms, TEC GR may be asked as optional requirement for specific use cases only.</p> <p>Kindly confirm.</p>	Technical clarification required for estimation purpose	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
276	51	Service Type	Unicast, Multicast and Broadcast services Point to Point, Point to Multi Point and Multi point to Multi point service IPv4 and IPv6 (capability of minimum 2 lakh Ipv4 / 1 lakh Ipv6 routes)	Considering the targeted services to be deployed on this network, asked numbers are too high, we request to kindly reduce these numbers to 96K in FIB, kindly confirm.	Technical clarification required for estimation purpose	As per RFP
277	51	Temperature Range	Equipment should be complied with QM333 standard.	Kindly allow similar international environment standards in place of QM333. Kindly confirm.	Technical clarification required for estimation purpose	As per RFP
278	51	Power Card and FAN Unit	Redundant, Hot-swappable	We understand that, FAN and Power should be redundant in chassis, request you to kindly make hot-swappable as optional or not mandatory. Kindly confirm.	Technical clarification required for estimation purpose	Pls refer modified clause

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
279	52	Timing and Synchronization	Support NTP, SyncE with ESMC, Integrated GNSS receiver, IEEE 1588v2 PTP (including G8265, G8273, G8275 profiles as applicable), External timing 1PPS and TOD. It should have internal Stratum 3E clock with holdover time of at least 4 hours	We request to kindly allow G8265/G8273/G8275 profiles as alternate options and any one can be used to support network requirement. Kindly confirm.	Technical clarification required for estimation purpose	Standard alternatives are allowed.
280	52	Security	Control-plane and management plane protection, RADIUS (client authentication) Local Packet Transport Services (LPTS) Authentication, Authorization, and Accounting (AAA), Terminal Access Controller Access-Control System Plus (TACACS+), Secure Shell (SSH) Layer 3, ingress and egress ACLs for IPv4 and IPv6, Layer 2 ingress ACLs,	With multiple security features available we request uRPF may be allowed as an optional requirement, which can be catered in future in need arises. Kindly Confirm.	Technical clarification required for estimation purpose	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			MACSec Unicast Reverse Path Forwarding (Unicast RPF) IEEE802.1x			
281	52	Operation, Administration, and Management (OAM)	Ethernet OAM (IEEE 802.1ag and ITU-T Y.1731), IP SLA, MPLS OAM (link BFD, Ping, Trace-route), Y.1564, RFC 2544 Generator, Model/Event Driven Telemetry	We request to allow TWAMP as alternate solution of IPSLA support on Routers, kindly confirm.	Technical clarification required for estimation purpose	Yes, as per clarification sought
282	51	Interfaces support	FE/GE,10G,25G,100G,200G,300G,400G and E1, STM-1/4/16 using CES Interface	We recommend that: 1. FastEthernet on core and aggregation routers is not a cost effective solution as it will waste the capacity needed, we request to accept GE as the minimum interface rate for Core and Aggregation category 2. 300G is not a standard rate so kindly remove. Kindly confirm.	Technical clarification required for estimation purpose	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
283	Pg 30	POC	It will be binding to bidder to conduct POC (Proof of Concepts) of proposed solution as per requirement of GFGNL including LAB testing in time bound manner (10-15 working days) as well as field testing on a sample basis (over deployed network), covering	OEM should be conduct the POC for the proposed solution. Fiber should be provided by the GFGNL authority.	Technical clarification required for estimation purpose	H1 Bidder and OEM to conduct POC; Two fiber cores will be provided by GFGNL
284	Pg 41	SDN	Software defined network (SDN) for defining, deploying, delivering, and deciding services in quicker way and in other words Zero touch provisioning for managing high performance network. Centralized GUI orchestration for all layers and all devices serving the layers	please share clarity on the SDN requirement for DWDM - IPMPLS network	Technical clarification required for estimation purpose	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
285	Pg 50	CYBER SEC	Below services should be offered as part of security offering, but not limited to: Network CIA (Confidentiality-Integrity-Availability), Network Segmentation, Firewalls, Cyber security, Authorization-Authentication and Accountability(AAA), SSL(Secure Socket Layer) Visibility and analysis Solution, The Principle of Least Privilege, Strong authentications, SIEM (Security Information and Event management), Security orchestration, Automation, and response (SOAR), Vulnerability Assessment Solution, User and entity behavior analytics (UEBA), NDR (Network detection and response), XDR (Extended detection and response),a Zero Trust	<p>please share clarity on the Cyber security requirement in the overall project of DWDM network .</p> <p>Please also provide specification and sizing required for each component.</p> <p>Is there a DC / DR setup also, or bidder need to setup? Please share the exact locations for DC and DR.</p>	Technical clarification required for estimation purpose	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			Internet Security, Data Leak Prevention (DLP), Log repositories, Online log retention, Antivirus and antispam solutions at gateways, Endpoint Detection and Response (EDR), Patch Management etc., WAF(Web Application Firewall) and SLB (Server Load balancer), Link load Balancer, DDOS (Distributed denial of services) and DNS Security, VPN			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
286	Pg 49	SAAS application / Multi cloud intergartion	2. The Proposed solution should support following multiservice monitoring like Education service, Anganwadi service, tele health service, government applications and the following ISP, SaaS based applications, BGP prefix/routing, DNS, Multi Cloud, SD-WAN, Hybrid WAN, Network device health, VPN gateway, and VoIP.	What is the use case for the SAAS based setup. Whether all the application requirements is also part of the RFP and relevant intergration with these services like SDWAN / Multi cloud ?	Technical clarification required for estimation purpuse	EMS and Quoted technology solution equipment should be supported service performance monitoring as per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
287	Pg 41	100/200/400G or 3G/10G ? Routers or bandwidth	At Sub-block, Taluka Center and District Center locations, all proposed network equipment must have line interfaces (i.e Number of 100G, 200G and 400G Interfaces) which is capable to serve for multipath protection paths in mesh topology up to SDC without compromising bandwidth delivery if primary/main path fails and must have client interfaces to serve the Access rings of Gram Panchayats traffic as well as GSWAN services. Hence, there will be no extra requirement for network equipment/devices for Phase-3 and GSWAN.	please share clarity on the exact requirement with relevant BOQ for the requirement. There is some confusion whether we have to provide 3 GPS connectivity or Router with 100G/200G/400G interfaces. These looks two different requirement to us.	Technical clarification required for estimation purpose	As per RFP; This is solution based turnkey project

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response																								
288	Pg 40	Bandwidth	<p>End-end Optical Link distance should be around 300Kms. 10% variance in Optical link distance will be allowed in consultation with GFGNL.</p> <p>4. Average span length between ILA can be taken as 50Km for Planning of the Optical Link.</p> <p>5. ILA Amplifier gain may be planned accordingly to meet Section/Span Loss</p>	<p>Fiber will be provided by the customer, bidder needs to only provide the OLT / ONT and DWDM routers, please confirm whether our understanding is correct</p>		Two fiber cores will be provided by GFGNL																								
289	Pg 39	2CNO	<table border="1"> <thead> <tr> <th>Sl.No</th> <th>Delivery Location</th> <th>Numbers</th> <th>Bandwidth required per Location (Gbps)</th> <th>Bandwidth availability per Location</th> <th>Minimum 200G Ethernet Provisional required location</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Sub Block (SL) Trunk (net)</td> <td>600</td> <td>10 Gbps</td> <td>10 Gbps</td> <td>330</td> </tr> <tr> <td>2</td> <td>Service Center (DCU) Mumbai/Chennai</td> <td>33</td> <td>10 Gbps</td> <td>10 Gbps</td> <td>33</td> </tr> <tr> <td>3</td> <td>Service Center (DCU) Chennai (TC)</td> <td>330</td> <td>10 Gbps</td> <td>10 Gbps</td> <td>330</td> </tr> </tbody> </table>	Sl.No	Delivery Location	Numbers	Bandwidth required per Location (Gbps)	Bandwidth availability per Location	Minimum 200G Ethernet Provisional required location	1	Sub Block (SL) Trunk (net)	600	10 Gbps	10 Gbps	330	2	Service Center (DCU) Mumbai/Chennai	33	10 Gbps	10 Gbps	33	3	Service Center (DCU) Chennai (TC)	330	10 Gbps	10 Gbps	330	<p>ease clarify on the exact requirement for protection path asked?</p>	<p>Technical clarification required for estimation purpose</p>	Pls refer RFP Section 13/A
Sl.No	Delivery Location	Numbers	Bandwidth required per Location (Gbps)	Bandwidth availability per Location	Minimum 200G Ethernet Provisional required location																									
1	Sub Block (SL) Trunk (net)	600	10 Gbps	10 Gbps	330																									
2	Service Center (DCU) Mumbai/Chennai	33	10 Gbps	10 Gbps	33																									
3	Service Center (DCU) Chennai (TC)	330	10 Gbps	10 Gbps	330																									

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
290	28	11. Technical Evaluation Criteria	c) Network design (HLD / LLD), Traffic Engineering – 5 marks	<p>During the workshop, it was mentioned that the HLD shall be submitted during the Technical presentation and LLD shall be submitted during the PoC.</p> <p>Kindly change the Technical evaluation criteria as follows:</p> <p>c) Network design (HLD / LLD), Traffic Engineering – 5 marks</p>	For better clarity on technical evaluation of bidding process	Please see revised PQ/TQ criteria
291	40	6. Network Design and Configuration:	a) Existing Network Layouts: GFGNL will provide the details and layouts of the existing OFC network for the respective locations post NDA sign off.	<p>We understand that the bidder is expected to design the network basis the details and layouts of the existing OFC network for the respective locations post NDA sign off.</p> <p>If GFGNL intends to optimize the new transport network by utilization the OFC routes where existing transport links / nodes</p>	For better understanding of the scope	As per KNOW HOW session, relevant data shared

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				are not available, we request to share the KMZ of the entire network.		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
292	54	Note 1>	All 3 penalties mentioned in "Implementation Timeline and related penalties" section are mutually exclusive and will be calculated independently.	<p>As discussed and agreed during pre-bid conference meeting it is requested to kindly relook at the clause as its attract dual penalties even for the period already penalised.</p> <p>For e.g., 30 days of delay in "Supply of Items by SI", SI will be penalized for delivery related penalty. However, at the same time, the timeline for I&C will also be reduced from the 90 days to 60 days as T is static.</p> <p>Hence request you to introduce the standard practice of T0, T1, T2 ... so on for better understanding and avoiding dual penalty.</p>	For better understanding of the scope and penalties	Yes. Duplication of penalty will not be levied each milestone will be evaluated with allotted days.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
293	49 - 50	d) Service Audit and Security compliance	11. Below services should be offered as part of security offering, but not limited to: Network CIA (Confidentiality-Integrity-Availability), Network Segmentation, Firewalls, Cyber security, Authorization-Authentication and Accountability(AAA), SSL(Secure Socket Layer) Visibility and analysis Solution, The Principle of Least Privilege, Strong authentications, SIEM (Security Information and Event management), Security orchestration, Automation, and response (SOAR), Vulnerability Assessment Solution, User and entity behavior analytics (UEBA), NDR (Network detection and response), XDR (Extended detection and response), a Zero Trust Internet Security, Data Leak Prevention (DLP), Log repositories,	<p>The services requested here are a part of enterprise security solution. Most of the services may not be applicable to the solution which shall have transport / IP MPLS with EMS.</p> <p>Hence, we request to review the requirement again and change this accordingly.</p>	For better understanding of the scope	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			<p>Online log retention, Antivirus and antispam solutions at gateways, Endpoint Detection and Response (EDR), Patch Management etc., WAF(Web Application Firewall) and SLB (Server Load balancer), Link load Balancer, DDOS (Distributed denial of services) and DNS Security, VPN.</p>			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
294	58	21 (7)	A copy of the OEM Partner Certification must be submitted	As per our understanding 'OEM Partner Certifications' referred here is MAF issued by OEM for this particular tender. Please confirm.	For better understanding of documentation	Deleted. The purpose is to be served through MAF
295	58	21 (9)	MAF issued by OEM for the proposed product as per format mentioned in Annexure -VIII			MAF is required

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
296	61	4. Annex IV	<p>In response to the “Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing and Commissioning to upgrade backhaul network for Gujarat Fibre Grid Network Limited, Dept. of Science & Technology, Government of Gujarat (Reference No: GFGNL/GFG/e-file/263/2023/0122-2)” as an Owner/Partner/Director of</p> <p>_____</p> <p>—,</p>	<p>As undertaking need to be signed by Authorized signatory only, we request to add term 'Authorized Signatory' also in the format as follows -</p> <p>In response to the “Request for Proposal (RFP) for Selection of Agency for Supply, Installation, Testing and Commissioning to upgrade backhaul network for Gujarat Fibre Grid Network Limited, Dept. of Science & Technology, Government of Gujarat (Reference No: GFGNL/GFG/e-file/263/2023/0122-2)” as an Owner/Partner/Director/ Authorized Signatory of</p> <p>_____</p> <p>—,</p>	To correct the typing error	Yes, accepted based on authorization proof.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
297	-	20. Operation, Administration, and Management (OAM)	Ethernet OAM (IEEE 802.1ag and ITU-T Y.1731), IP SLA, MPLS OAM (link BFD, Ping, Trace-route), Y.1564, RFC 2544 Generator, Model/Event Driven Telemetry	Request you to remove "RFC 2544 generator",	As although RFC 2544 is an open RFC, the term is used in datasheets by only one OEM, pointing everyone in wrong direction, hence to ensure openness and fair competition, request you to remove the same	It is optional if required ask is not violated
298	page 45	Section 24	Service provisioning (Automated) and Service performance monitoring	Both these have to be incorporated as part of the offered solution and they have to be dimensioned to support the overall solution and all the devices proposed as part of the solution, is this correct understanding		EMS and Quoted technology solution equipment should be supported Service provisioning (Automated) and Service performance monitoring as per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
299	Page 45	Section 24 - Service Provisioning (Automated)	Proposed Solution must visualize RSVP-TE and VPN services as an overlay on logical network and geographical maps.	Proposed solution should automatically calculate and set up paths for specific traffic based on GFGNL customer requirements, for example GSWAN traffic when integrating to GFGNL network, Video conferencing traffic of GFGNL should automatically get provisioned across GFGNL network across the path matching the traffic conditions needed by the particular traffic i.e. low latency , less than 10 msec, no manual intervention should be done to deploy the same.	Network automation only helps when customer traffic while being catered on GFGNL network, GFGNL should automatically be able to provide the agreed traffic SLAs to the defined traffic type form all other traffic types of the customer in an automated way and provide the traffic attributr defined apth across its network	The quoted boxes having proper controllers and EMS of the OEM must have technology led automation of the network for efficient switching and detection of redundant path. The technology solution must offer all standard and widely demand features in the Telco-grade networks in terms of traffic speed, switching speed. The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
300	Page 41	Section 6 - C - Network Design - Aggrgeation layer	Solution equipment should have redundant power card, fan modules, and achieve hot-swappable requirement.	Solution equipment should have redundant power card, fan modules, and achieve hot-swappable requirement for power supply only.	Based on field survey organised by GFGNL, it has come to our notice that FANs which are based on the rear end of the router , once fixed into the rack are not accessible, hence having hot swappable for FANs is not possible to achieve in filed conditions , hence request you to remove the same for FANs	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
301	Page 51	B. Technical Specifications	Request you to consider adding the protocols	BGPv4, OSPFv4, ISIS, BGP LU, Segment Routing, TI-LFA, R-LFA, RSVP TE, MP NGP, PCEP, BGP LS, Segment Routing V6,		Refer page no. 51 Sr 8 where all layer 2 and layer 3 protocol have to be supported. We have specifically mentioned business and functional specifications (4S-services) in this RFP at page no-45 Clause - 13A/24 in detail. The Technical terminologies including protocols are implied expectation. Anywhere during the contract, for the indicative service portfolio including nature of traffic re-engineering, no additional payment shall be made to bidder.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
302	25	10. Eligibility Criteria	<p>Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40 % of these active components) in last five years as on date of bid submission. Work Order should have been issued in last five years as on date of bid submission.</p> <p>For completed projects: Go-live certificate should be provided.</p> <p>For ongoing projects: Client certificate should be provided clearly mentioning worth of</p>	Request department to permit experience of projects where bidder or its parent company has connected customer on MPLS network and delivered link and CPE Router.		<p>This is very specilized technology centric transport layer project to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.</p> <p>It is implied that sought technical expertise for designing the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience is the core competitive strength of National TSPs as specified in most of the TRAI reports and millions of customer base and large geographically span. The captive network of any National TSP is considered for technical experience and expertise.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			completed work for asked components. "			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
303	25	10. Eligibility Criteria	<p>Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40 % of these active components) in last five years as on date of bid submission. Work Order should have been issued in last five years as on date of bid submission.</p> <p>For completed projects: Go-live certificate should be provided.</p> <p>For ongoing projects: Client certificate should be provided clearly mentioning worth of</p>	<p>Bidder of its parent company should have procured components like backhaul transport network from either OEM or partner or Distributor for it's own consumption in its network in last five years as on date of bid submission.</p> <p>The minimum value of PO for active components should be - One PO of Rs. 16 crores/ Two PO of minimum 12 Cr/ Three PO of minimum 8 Cr</p>		<p>This is very specilized technology centric transport layer project to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.</p> <p>It is implied that sought technical expertise for designing the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience is the core competitive strength of National TSPs as specified in most of the TRAI reports and millions of customer base and large geographically span. The captive network of any National TSP is considered for technical experience and expertise.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			completed work for asked components. "			

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
304	25	10. Eligibility Criteria	<p>The Bidder should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Telecom - Networking only. Subsidiary company turnover would be considered in lead (parent) company turnover, subject to submission of requisite documents to GFGNL.</p>	<p>Request department to kindly share the definition of business of Telecom - Networking.</p>		<p>Please see revised PQ/TQ criteria</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
305	25	10. Eligibility Criteria	The Bidder should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Telecom - Networking only. Subsidiary company turnover would be considered in lead (parent) company turnover, subject to submission of requisite documents to GFGNL.	The Bidder or its parent or its wholly owned subsidiary should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Telecom - Networking only.		<p>This is very specilized technology centric transport layer project to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipments and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.</p> <p>It is implied that sought technical expertise for designing the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience is the core competitive strength of National TSPs as specified in the most of the TRAI reports and millions of customer base and large geographically span. The captive network of any National TSP is considered for technical experiece and expertise.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
306	25	10. Eligibility Criteria	The Bidder should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Telecom - Networking only. Subsidiary company turnover would be considered in lead (parent) company turnover, subject to submission of requisite documents to GFGNL.	Request department to kindly clarify the below statement Subsidiary company turnover would be considered in lead (parent) company turnover, subject to submission of requisite documents to GFGNL. As per our understanding lead parent company turnover will be accepted for qualifying in this clause		<p>This is very specilized technology centric transport layer project to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipments and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.</p> <p>It is implied that sought technical expertise for designing the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience is the core competitive strength of National TSPs as specified in the most of the TRAI reports and millions of customer base and large geographically span. The captive network of any National TSP is considered for technical experiance and expertise.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
307	27	10. Eligibility Criteria	The Bidder should have valid ISO 9001: 2015 and ISO 27001:2022 as on last date of bid submission.	We request department to consider TL9000 certification in place of ISO 9001:2015	We Request department to kindly consider TL9000 certification in place of ISO9001. TL9000 encompasses all the requirements of ISO9001, ensuring compliance with the same standards. Additionally, the issuing authority for both certifications is the same, i.e., BSI. Which further validates its credibility and alignment	Please see revised PQ/TQ

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					with ISO standards	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
308	28	11. Technical Evaluation Criteria	<p>Bidder Should have executed at least one (1) Networking Projects with Supply, Installation, Testing, Commissioning (SITC) of minimum value of Rs. 16 crores/ Two Project having minimum 12 Cr/ Three Project having minimum 8 Cr having components like Backhaul transport network (with minimum 40 % of these active components) in last five years as on date of bid submission.</p> <p>— For each Project worth ≥ 16 Cr: 20 Marks</p> <p>— For each set of 2 projects worth ≥ 12 Cr: 15 Marks</p> <p>— For each set of 3 projects worth ≥ 8 Cr: 10 Marks</p>	<p>Bidder of its parent company should have procured components like backhaul transport network from either OEM or partner or Distributor for it's own consumption in its network in last five years as on date of bid submission.</p> <p>The minimum value of PO for active components should be -</p> <p>One PO of Rs. 16 crores = 20 marks</p> <p>Two PO of minimum 12 Cr = 15 marks</p> <p>Three PO of minimum 8 Cr= 10 marks</p>		<p>This is very specilized technology centric transport layer project to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipments and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.</p> <p>It is implied that sought technical expertise for designing the Telco-grade networks in terms of speed, capability, real time monitoring and consolidated view for better user experience is the core competitive strength of National TSPs as specified in the most of the TRAI reports and millions of customer base and large geographically span. The captive network of any National TSP is considered for technical experience and expertise.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
309	28	11. Technical Evaluation Criteria	The Bidder should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Telecom - Networking only. ≥200 Cr to <250 Cr.: 5 marks. ≥250 Cr: 10 marks	The Bidder or its parent or its wholly owned subsidiary should have average annual turnover of Rs 200 Cr in the any three consecutive financial year (2020-21, 2021-22, 2022-23 & 2023-24) solely generated from the business of Telecom - Networking only. ≥200 Cr to <250 Cr.: 5 marks. ≥250 Cr: 10 marks		As replied Sr. no. 308
310	-	General	For Phase-2: Kindly share total OLT count along with distribution details as follows: 1) Total OLT count; 2) OLT distribution per package; 3) OLT distribution per Island; 4) OLT location details and parenting details to which TC/DC/DHQ/SDC location		This is required to plan the rings, plan ring-shortening workout, also plan aggregation locations.	The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap and shared existing network details for better understanding.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
311	-	General	For Phase-1: Kindly share total OLT count along with distribution details as follows: 1) Total OLT count; 2) OLT distribution per package; 3) OLT distribution per Island; 4) OLT location details and parenting details to which TC/DC/DHQ/SDC location		This is required to plan the rings, plan ring-shortening workout, also plan aggregation locations.	The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap and shared existing network details for better understanding.
312	39	A. Functional Requirements/ 5	All the supplied equipment must be capable to support minimum 2CNO (Three Path protection) with 100G/200G line interfaces.	All the supplied equipment must be capable to support minimum 2CNO (Three Path protection) with 100G/200G line interfaces for Core & 100G line interfaces for Aggregation locations.	OLT locations are having 10G bandwidth drop. Considering 5/6 x OLT locations in the ring, total traffic would be max 50-60 Gbps. Considering this, 100G Coherent supported line interface will suffice	This is EPC design and expertise of the OEM and bidder is implied to plan such mammoth network to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					<p>the requirement.</p> <p>Moreover, asking for 100G/200G interface support at 660 locations will escalate the overall project cost.</p>	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
313	51 & 41	B Technical Specifications & 6. Network Design and Configuration: C) Solution Requirements:	Core Layer Equipment: Minimum 800 Gbps Core Layer: · Should be capable of supporting multiple 100G to 400G interfaces.	Core Layer Equipment: Minimum 2400 Gbps Core Layer: · Should be capable of supporting multiple 100G to 400G interfaces.	As per RFP, there are multiple future usecases like Bharatnet Integration, current and future services like GSWAN, GSVAN, Home broadband, Telco connectivity requiring high uptime and throughput. Considering multiple directions (3 to 4), failover scenarios, 2/3/4 CNO scenarios, integration with future BharatNet	This is EPC design and expertise of the OEM and bidder is implied to plan such mammoth network to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					<p>Ph-III network, we suggest that the Core Layer Router must have following minimum specifications to fulfill the functional requirement.</p> <p>Moreover, 4CNOs min requirement 5 x 400G interfaces which equals 2000 Gbps + connectivity with other networks + southbound connectivity requires considerable throughput.</p> <p>Requesting only 800G for</p>	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					such network will not suffice the usecases. Kindly modify the throughput.	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
314	51 & 41	B Technical Specifications & 6. Network Design and Configuration: C) Solution Requirements:	Aggregation Layer Equipment: Minimum 300 Gbps Aggregation Layer: · Should be capable of supporting multiple 10G to 100G interfaces.	Aggregation Layer Equipment: Minimum 800 Gbps Aggregation Layer: · Should be capable of supporting multiple 10G to 100G interfaces.	As per RFP, there are multiple future usecases like Bharatnet Integration, current and future services like GSWAN, GSVAN, Home broadband, Telco connectivity requiring high uptime and throughput. Considering multiple directions (3 to 4), failover scenarios, 2/3/4 CNO scenarios, integration with future BharatNet	This is EPC design and expertise of the OEM and bidder is implied to plan such mammoth network to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					<p>Ph-III network, we suggest that the Core Layer Router must have following minimum specifications to fulfill the functional requirement.</p> <p>Moreover, 4CNOs min requirement 4 x 100G interfaces which equals 400 Gbps + connectivity with other networks + southbound connectivity requires considerable throughput.</p> <p>Requesting only 300G for</p>	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
					such network will not suffice the usecases. Kindly modify the throughput.	

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response																									
315	-	B Technical Specifications	New Clause	Coherent optics must support following Back-to-Back OSNR to meet connectivity Requirement:	These are standard optical specifications and are required for baselining min tech specifications of Coherent optics considering future current distances as well as insertion and transport of upcoming BharatNet Ph-III requirement.	As per clarification sought																									
				<table border="1"> <thead> <tr> <th>S. No.</th> <th>Line Rate</th> <th>Modulation</th> <th>Baud Rate</th> <th>Back-to-Back OSNR (Min)</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>100G</td> <td>DP-QPSK or equivalent</td> <td>~30GBd</td> <td>13.5dB</td> </tr> <tr> <td>2</td> <td>200G</td> <td>DP-QPSK or equivalent</td> <td>~60GBd</td> <td>15.5dB</td> </tr> <tr> <td>3</td> <td>300G</td> <td>8-QAM or equivalent</td> <td>~60GBd</td> <td>20dB</td> </tr> <tr> <td>4</td> <td>400G</td> <td>16-QAM or equivalent</td> <td>~60GBd</td> <td>23.5dB</td> </tr> </tbody> </table>	S. No.	Line Rate	Modulation	Baud Rate	Back-to-Back OSNR (Min)	1	100G	DP-QPSK or equivalent	~30GBd	13.5dB	2	200G	DP-QPSK or equivalent	~60GBd	15.5dB	3	300G	8-QAM or equivalent	~60GBd	20dB	4	400G	16-QAM or equivalent	~60GBd	23.5dB		
S. No.	Line Rate	Modulation	Baud Rate	Back-to-Back OSNR (Min)																											
1	100G	DP-QPSK or equivalent	~30GBd	13.5dB																											
2	200G	DP-QPSK or equivalent	~60GBd	15.5dB																											
3	300G	8-QAM or equivalent	~60GBd	20dB																											
4	400G	16-QAM or equivalent	~60GBd	23.5dB																											
316	40 of 81	Functional Requirements	Avoid single-location or single equipment dependencies.	As we understand need to consider traffic redundancy, please confirm	As we understand this change is required for network redundancy.	Functionality and objectivity of the RFP is to be retained while EPC design.																									

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
317	40 of 81	Functional Requirements	Re-engineering of ring or redundancy paths to enhance network resilience and mitigate risks. -Alignment with GFGNL's high-level diagrams for specific sections of the network.	Please provide fiber specs (Loss/KM., route and fiber length) where OLT ring needs to optimize or shortning.	As we undersantd RFP is solution base, network design, fiber loss and fiber length is require to design and derive the BOQ.	The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap and shared existing network details for better understanding.
318	40 of 81	Functional Requirements	Fiber Usage for OLT ring: GFGNL will provide additional two fiber cores (01 pair) for OLT ring, maximum 5 OLTs to be planned in any 50 Gig capacity dual homed ring. In exceptional cases 6 OLTs are allowed subject to GFGNL approval.	Please confirm OLT ring capacity planning will be 50GBPS only for all OLT ring.	bandwidth capacity is require to uniformity of all network OLT rings.	This is EPC design and expertise of the OEM and bidder is implied to plan such mammoth network to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
319	40 of 81	Functional Requirements	Section/Span Loss - 32db inclusive of O&M Margin of 5db	As we understand, RFP is solution base and fiber section loss, Fiber length and traffic detail of complete network shall be shared by the GFGNL. Please confirm based on link designing different amplifiers can be provisioned in network considering actual fiber link loss and additional 3 db fiber margin. if complete section has fiber loss more than 32 db including fiber margin, GFGNL will improve the fiber section.	As we understand RFP is solution base, network design, fiber loss and fiber length is require to design and derive the BOQ.	Kindly refer design criteria in clause 13A.6.C, and the requirement has been clearly mentioned to mitigate fiber losses along with O&M margin.
320	40 of 81	Functional Requirements	Average span length between ILA can be taken as 50Km for Planning of the Optical Link.	As we understand, RFP is solution base bidder needs to design considering given fiber loss, link length and connectivity diagram describing drop	As we understand RFP is solution base, network design, fiber loss and fiber length is	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				locations. Please confirm	require to design and derive the BOQ.	
321	41 of 81	Functional Requirements	Should be capable of supporting multiple 100G to 400G interfaces.	As we understand there is requirement of multiple 100G and future upgrade of Core layer 400G to 800G, please confirm DWDM must have MUX/DEMUX minimum to 8 Channel on day 1 and upgradable to 40 channels of the C-band channel. Channel spacing 100GHz and provide an additional expression port for through connection in multi-degree FOADM, or filter cascading.	As we understand in future only traffic cards (on router) shall be used as upgradation, in future there is no need to change the optical infra up to 8 channel, that full fill the requirement, and also network will be scalable up to 40 Channels.	This is EPC design and expertise of the OEM and bidder is implied to plan such mammoth network to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
322	41 of 81	Functional Requirements	Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swappable requirement.	Please confirm, DWDM Equipment can be provided with Single controller card, because traffic cards are part of ROUTERS.	as we understand traffic cards are part of ROUTERS, and DWDM is utilize for Optical infra.	<p>The Network cannot afford any downtime due to the any single point of failure of sub components and technical design. The same has been specified in the RFP including EPC characteristics of the deployment and design excellence.</p> <p>The device failures and network uptime is very important and non-negotiable irrespective of technical terminologies. The offered product must be inline with functionality, scalability and redundancy to deal single point failures and proven product and solution. To de-risk the Government the power to terminate the Work order is provisioned in the scope of pilot district rollout as reiterated below,</p> <p>Refer the Page-40 section 6(b) - (a- The one part is, technical configuration, right traffic engineering/re-engineering, identification of stress point, and overall solution within one jurisdiction and one pocket (i.e.one block and one district, internet breakout, Intranet) and with an objective to validate and freeze the technically implementable aspects with active role of expert which is OEM in this case. OEM has to ensure successful implementation of pilot block and pilot district first which will be replicated in rest</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
						<p>geography by bidder</p> <p>The failure during this pilot pocket shall be the good reason for termination of the entire workorder without any scope of negotiation or doubts.</p> <p>The failure shall be considered risky propositions for replicating the problems and hence without paying any financial compensations the workorder shall be terminated and the entitlement for issuing the workorder to next in sequence may be considered as already stipulated provision in the RFP.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
323	41 of 81	Functional Requirements	Should be capable of supporting multiple 10G to 100G interfaces. Solution equipment should have redundant power card, fan modules, and achieve hot-swappable requirement.	As we understand there is requirement of multiple 100G and future upgrade of Core layer 400G to 800G, please confirm DWDM must have MUX/DEMUX minimum to 8 Channel on day 1 and upgradable to 40 channels of the C-band channel. Channel spacing 100GHz and provide an additional expression port for through connection in multi-degree FOADM, or filter cascading.	As we understand in future only traffic cards (on router) shall be used as upgradation, in future there is no need to change the optical infra up to 8 channel, that full fill the requirement, and also network will be scalalble up to 40 Channels.	This is EPC design and expertise of the OEM and bidder is implied to plan such mammoth network to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
324	41 of 81	Functional Requirements	At Sub-block, Taluka Center and District Center locations, all proposed network equipment must have line interfaces (i.e Number of 100G, 200G and 400G Interfaces) which is capable to serve for multipath protection paths in mesh topology up to SDC without compromising bandwidth delivery if primary/main path fails and must have client interfaces to serve the Access rings of Gram Panchayats traffic as well as GSWAN services. Hence, there will be no extra requirement for network equipment/devices for Phase-3 and GSWAN.	As we understand there is requirement of multiple 100G and future upgrade of Core layer 400G to 800G, please confirm DWDM must have MUX/DEMUX minimum to 8 Channel on day 1 and upgradable to 40 channels of the C-band channel. Channel spacing 100GHz and provide an additional expression port for through connection in multi-degree FOADM, or filter cascading.	As we understand in future only traffic cards (on router) shall be used as upgradation, in future there is no need to change the optical infra up to 8 channel, that full fill the requirement, and also network will be scalalble up to 40 Channels.	This is EPC design and expertise of the OEM and bidder is implied to plan such mammoth network to ensure seamless flow of traffic generated from access layer traversing through sub-block level new equipment and transport level new equipment for running the Government intranet/internet, district level breakout of traffic for better customer experience and to meet efficient service orientation.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
325	41 of 81	Functional Requirements	Proposed network equipment should have combined strength of high capacity DWDM and IPMLS.	As we understand there is requirement of multiple 100G and future upgrade of Core layer 400G to 800G, please confirm DWDM must have MUX/DEMUX minimum to 8 Channel on day 1 and upgradable to 40 channels of the C-band channel. Channel spacing 100GHz and provide an additional expression port for through connection in multi-degree FOADM, or filter cascading.	As we understand in future only traffic cards (on router) shall be used as upgradation, in future there is no need to change the optical infra up to 8 channel, that full fill the requirement, and also network will be scalalble up to 40 Channels.	Repeat query, as per Sr. no. 324
326	41 of 81	Functional Requirements	Software defined network (SDN) for defining, deploying, delivering, and deciding services in quicker way and in other words Zero touch provisioning for managing high performance network.	Please confirm, Seperate NMS SW and HW to manage DWDM and IP equipment can be provided.	IP and optics are 2 different technology, to manage both the elements separate	As already responded in query 176

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
			Centralized GUI orchestration for all layers and all devices serving the layers.		NMS is require.	
327	43 of 81	Functional Requirements	Nodes should be capable to support both DC and AC power inputs as per site requirements. For OLT location (Shelter), GFGNL has DC power plant. However, for rest of location, based on site feasibility, Bidder will be liable to arrange power source or converter keeping in consideration of SLA requirement.	Please confirm how many sites are AC power and DC powered.	There is requirement to quantify how many AC and DC equipments/ power cards needs to be provided.	The " Know-How " session was also conducted by the GFGNL to minimize the knowledge gap and shared existing network details for better understanding.
328	42	18(d)	The bidder is responsible for providing telco-grade rack-mounted AC-to-DC power plants with redundancy at the SDC and will be installed in Racks.	As per the specified clause, the bidder is required to provide an AC-DC power plant. We kindly request GFGNL to confirm whether the bidder is also required to propose a battery		The all associated requirements for deploying and running the equipment is the full responsibility of bidder.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				bank as part of the solution. If yes, we request clarification on the specifications of the battery bank to be provided.		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
329	41	6 ('c) (5)	Solution equipment should have redundant power card, fan modules, controller card/Switch Fabric and achieve hot-swappable requirement	<p>As per the clause mentioned in the GFGNL RFP, a core layer router with an 800 Gbps capacity is required to be proposed at the Block level. Similarly, the BSNL BharatNet Phase-3 tender specifies the need for a core router with 800 Gbps capacity at the Block level.</p> <p>Furthermore, as outlined in the BharatNet Phase-3 Tender (Tender Number: MM/BNO&M/BN-III/T-791/2024, Page 135) and supported by clarification number 450 in the document Annexure_Clarifications_BN-III_T791_08052024, the 800 Gbps Block-level router is specified to be non-</p>		<p>The Network cannot afford any downtime due to the any single point of failure of sub components and technical design. The same has been specified in the RFP including EPC characteristics of the deployment and design excellence.</p> <p>The device failures and network uptime is very important and non-negotiable irrespective of technical terminologies. The offered product must be inline with functionality, scalability and redundancy to deal single point failures and proven product and solution. To de-risk the Government the power to terminate the Work order is provisioned in the scope of pilot district rollout as reiterated below,</p> <p>Refer the Page-40 section 6(b) - (a- The one part is, technical configuration, right traffic engineering/re-engineering, identification of stress point, and overall solution within one jurisdiction and one pocket (i.e. one block and one district, internet breakout, Intranet) and with an objective to validate and freeze the technically implementable aspects with active role of expert which is OEM in this case. OEM has to ensure successful implementation of pilot block and pilot district first which will be replicated in rest</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>chassis-based.</p> <p>Based on our understanding, the requirement for an 800 Gbps router is for it to be non-chassis-based. We kindly request your confirmation on this understanding.</p>		<p>geography by bidder</p> <p>The failure during this pilot pocket shall be the good reason for termination of the entire workorder without any scope of negotiation or doubts. The failure shall be considered risky propositions for replicating the problems and hence without paying any financial compensations the workorder shall be terminated and the entitlement for issuing the workorder to next in sequence may be considered as already stipulated provision in the RFP.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
330	41	6 (c) (5)	Should be capable of supporting multiple 100G to 400G interfaces	<p>As per clause, interfaces lower than 100G are not required at Core Layer/router. Please confirm if this understanding is correct. If yes, then please confirm how rings from Aggregate routers (25G ring with 3Gbps per OLT requirement and 50G ring on 10G per OLT requirement) will be terminated on core layer as agg ring. Please confirm. (assuming agg routers are routers which are co-located with OLT and core routers are the routers where agg router ring will be dual-homed).</p>		Mentioned interfaces in RFP are must, as traffic may vary as per EPC design by bidder and must capable to support.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
331	-		Clarification Required	<p>Considering the scarcity of infrastructure (space and power) at the SDC location, we understand that a non-modular chassis with active-active redundancy across two chassis can be proposed. This approach optimizes space and power usage at the SDC without compromising any technical requirements. Furthermore, as lower-rate interfaces are not required at the SDC and also the industry is advancing towards routers with lesser space, non-modular solutions for core routers align with the requirement for 100G/200G ports only. Kindly confirm if this understanding is correct.</p>		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
332	-		Claficiation Required	Kindly request GFGNL to confirm the number of 100G ports that will be connected from the proposed routers at the SDC to various client interfaces/application router/servers.		This needs to define by bidder as per technical design solution under EPC model
333	-		Claficiation Required	<p>As discussed during the 'Know-how' session, the GFGNL network comprises Package-A (Island-1, Island-2, Island-3) and Package-B (Island-4).</p> <p>Kindly clafiry if bidder need to maintain same architecture of Islands i.e. Package-A (Island-1, Island-2, Island-3) and Package-B (Island-4) or bidder can propose entirely new architecture of the topology based on its design.</p>		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
334	51	13 (B) (4)	Aggregation Layer Equipment: Minimum 300 Gbps	<p>As per the RFP, each aggregation ring will consist of 5 OLTs. For a solution supporting 3Gbps per OLT, the minimum switching capacity required is 33Gbps (15Gbps East, 15Gbps West, and 3Gbps for the OLT drop). Similarly, the RFP specifies that the solution should be upgradable to support 10Gbps per OLT, resulting in a 50Gbps aggregation ring. The switching capacity required for this 50Gbps ring would be 110Gbps (50Gbps East, 50Gbps West, and 10Gbps for the OLT drop). Accordingly, we request GFGNL to revise the minimum switching capacity requirement for the aggregation router to 120Gbps.</p>		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
335	51	13 (B) (2)	MTCTE, NCCS	<p>We understand that NCCS is relatively newer certificate requirement for trusted source products and OEMs may require additional time to obtain MTCTE & NCCS certifications. Accordingly, it is our understanding that the bidder is required to submit proof of application for MTCTE and NCCS certifications at the time of bidding and provide the final certificates before the supply of equipment, but after the issuance of the work order. Kindly confirm.</p>		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
336	31	12(w)	For buyback option, bidder will be allowed to collect existing/old equipment only after complete Go-Live and successful running of new solution as per RFP criteria including colling period & ensuring HoTo completion	As discussed during the 'Know-How' session, the bidder is required to propose both buyback and re-deployment options for the old equipment and GFGNL will decide which option to select for each bidder. In this scenario, there is a possibility that one bidder may emerge as H1 based on the buyback option, while another bidder may become H1 based on the re-deployment option. We request GFGNL to address this ambiguity in the clause and ensure that the selection of the H1 bidder is clearly defined based on the terms and conditions specified in the RFP.		We are not insisting for re-deployment (dismantling) of existing devices. It is optional. One can offer lucrative buyback offer or alternatively the existing devices may be re-deployed for mitigate govt. losses, in some clusters without compulsion of integration with the new devices. The ask of integration of old with the new devices is avoided for wider competition and allowing new OEMs equal chance to deploy. However, based on received offer, GFGNL reserves the rights to take decision.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
337	41	6 (9)	<p>At Sub-block, Taluka Center and District Center locations, all proposed network equipment must have line interfaces (i.e Number of 100G, 200G and 400G Interfaces) which is capable to serve for multipath protection paths in mesh topology up to SDC without compromising bandwidth delivery if primary/main path fails and must have client interfaces to serve the Access rings of Gram Panchayats traffic as well as GSWAN services. Hence, there will be no extra requirement for network equipment/devices for Phase-3 and GSWAN.</p>	<p>As per the scope of the RFP, the maximum ring capacity at the sub-block, Taluka Center, and District Center will be 50G with 10G per OLT requirement. Consequently, we understand that maximum data rate of interfaces at aggregate routers will not exceed the maximum aggregate ring capacity mentioned in the scope of the tender (10Gbps per OLT or 50G per aggregation ring). Kindly confirm.</p>		As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
338	51	13 (B) (1)	ITU-T Recommendation, ETSI and IETF Standards, Latest TEC-GR for Quoted technology solution equipment	As per mentioned clause, bidder need to propose product with TEC-GR for "quoted technology". Latest TEC-GR for IP-MPLS router is TEC 48050:2024. Mentioned TEC-GR does not mention "coherent interfaces". So, we understand that quoted technology is IP/MPLS as per TEC-GR 48050:2024.		The Transport network is very critical technically and any un-researched technology may adversely impact all the underlined investment in the BharatNet. Thus, this qualification scanner is specifically provisioned to protect the government image and possibility of sub-optimal outcome. The intend of the RFP is to ascertain evaluation on quoted technology and wider acceptability in the market to de-risk BharatNet.

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
339	-			<p>In line with industry standards for IP/MPLS routers, traditional modular chassis solutions typically consume an average power of 2KW (in line with Clause 13 (B) (16), Page-51 of RFP which allows power consumption upto 2.5KW) and occupy approximately 8RU of rack space. However, advancements in the IP/MPLS industry have led to the development of compact router solutions with a form factor ranging from 1RU to 3RU. These solutions consume significantly less power, averaging between 300W and 400W, without compromising on the technical requirements outlined</p>		<p>The Network cannot afford any downtime due to the any single point of failure of sub components and technical design. The same has been specified in the RFP including EPC characteristics of the deployment and design excellence.</p> <p>The device failures and network uptime is very important and non-negotiable irrespective of technical terminologies. The offered product must be inline with functionality, scalability and redundancy to deal single point failures and proven product and solution. To de-risk the Government the power to terminate the Work order is provisioned in the scope of pilot district rollout as reiterated below,</p> <p>Refer the Page-40 section 6(b) - (a- The one part is, technical configuration, right traffic engineering/re-engineering, identification of stress point, and overall solution within one jurisdiction and one pocket (i.e.one block and one district, internet breakout, Intranet) and with an objective to validate and freeze the technically implementable aspects with active role of expert which is OEM in this case. OEM has to ensure successful implementation of pilot block and pilot district first which will be replicated in rest</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>in the RFP.</p> <p>Recognizing these advancements, all leading OEMs are shifting focus toward non-chassis-based routers for switching matrix capacities of up to 2T-3T, moving away from conventional chassis-based designs. This transition aligns with the growing demand for more space-efficient and energy-saving solutions.</p> <p>Financial Considerations Based on RFP Guidelines:</p> <p>Per the RFP, Annexure VII (Financial Bid Format), Section - Page 66: Rack space per RU must be quoted at ₹143 x 365 days x 10 years.</p>		<p>geography by bidder</p> <p>The failure during this pilot pocket shall be the good reason for termination of the entire workorder without any scope of negotiation or doubts. The failure shall be considered risky propositions for replicating the problems and hence without paying any financial compensations the workorder shall be terminated and the entitlement for issuing the workorder to next in sequence may be considered as already stipulated provision in the RFP.</p>

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>Power consumption must be quoted at ₹12 per KWH x 24 hours x 365 days x 10 years.</p> <p>By adopting non-chassis-based solutions in the GFGNL deployment, bidders can ensure compliance with all technical requirements of the RFP while achieving substantial cost savings. Specifically, these solutions are projected to save approximately ₹200-250 crore to exchequer over a 10-year period, due to reduced power and space requirements.</p> <p>In view of above,we strongly recommend adopting non-chassis-based router solutions for the GFGNL</p>		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>deployment for this RFP in line with Bharatnet Phase-3 (Tender Number: MM/BNO&M/BN-III/T-791/2024, Page 135) and supported by clarification number 450 in the document Annexure_Clarifications_BN-III_T791_08052024).</p> <p>This choice will not only deliver significant cost efficiency over the long term but also modernize the network infrastructure in line with evolving industry standards and long term deployments.</p>		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
340	27	Clause No:10/Sub-clause no: 10	The Bidder should have valid ISO 9001: 2015 and ISO 27001:2022 as on last date of bid submission.	The Bidder should have valid ISO 9001: 2015 and ISO 27001:2022/ISO 20000 -2018 as on last date of bid submission		Pls refer revised Eligibility Criteria table
341	25	Eligibility Criteria	The bidder should have positive net worth and should be profit making in last three financial year (2020-21,2021-22, 2022-23 & 2023-24)	Request you kindly consider the clause as below : The bidder should have positive net worth and should be profit making in any 2 years out of last Five financial year (2019-20, 2020-21,2021-22, 2022-23 & 2023-24)	For maximum participation and get competitive, please consider the request as positive net worth should be mandatory and profitability may be impacted due to market dynamics and business ups / downs.	Pls refer revised Eligibility Criteria table

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
342	34	12.5.1.d. Service Level Standards/ Requirements:	In case penalty reaches maximum (20% of actual payable capex value) for two consecutive quarters, the purchaser (GFGNL) may invoke termination clause as per RFP.	For operations phase, SLA penalty may be on the opex value instead of capex value and reduce the capping to 12%.	As per industry practice, SLA and penalties should be levied on opex value else all bidders will load the capex value against these penalties.	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
343	56-57	Clause 19 : Terms of Payment terms	Mentioned in Page 56 and 57	<p>Request you kindly consider the clause as below :</p> <p>1.Mobilization Advance @10% of PO value within 15 days of signing of contract.</p> <p>2.Supply of Items by SI - 50% of total CAPEX value of supplied equipment in a respective batch</p> <p>3.Installation and configuration of supplied equipment to complete backhaul upgrade as per scope of work of this RFP - 20% of total value of material installed at various sites as derived from the certified installed quantity and unit price discovered in priced BOQ.</p> <p>4.Completion of first</p>	<p>Proposed payment terms aim to enhance cash flows for vendors and partners while enabling implementation agencies to complete the project within timelines</p>	As per RFP

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
				<p>cooling period of 90 days - 10% of total value of material installed at various sites as derived from the certified installed quantity and unit price discovered in priced BOQ.</p> <p>5.Completion of second cooling period of 90 days - 10% of total value of material installed at various sites as derived from the certified installed quantity and unit price discovered in priced BOQ.</p> <p>Request to also provide comprehensive warranty @ 5% minimum for every year for effective operations and maintenance of project.</p>		

Sr No	Page no	Clause/ Sub-clause no	Content of the RFP Requiring Clarification	Clarification Sought	Justification	GFGNL Remarks/Response
344	39	13.A.1	Bidder has to implement solution with “IP-MPLS with Integrated Coherent Optical features (IP-MPLS over DWDM) / Routed Optical Network (RON)” transport technology	Can we propose different chassis for IP-MPLS and DWDM?	-	It is under bidder's purview. The associated cost has to be properly mentioned for space and power consumption of quoted technology solution
345	44	23	Network Element Management System	Can we propose different management system for IP-MPLS and DWDM?	-	The EMS of the offered product must be of the best available EMS solution for that product with all licenses to manage the BharatNet network assets.
346	45	23	All network elements and routes must be integrated with existing GFGNL NMS, ensuring with complete FCAPS functionality using standard NBI interfaces. (Fault, Configuration, Performance, Security).	Need to know the details of existing GFGNL NMS?	-	GFGNL has existing NMS solution from M/s NMSWorks. We are further exploring to get advance NMS system(network scanning and visibility of key network performance, provisioning and supervising indicators).The bidder/OEM is responsible to expose API and do necessary exchange of standard parameters as mentioned above to fulfill technology led network governance.

=====End Of Document=====