

Corrigendum II

Request for Proposal (RFP) For Selection Of Last Mile Connectivity Agency (LMCA) On Service Model For Various Government Institutions Connectivity Through BharatNet Network

Reference No: **GFGNL/GFG/e-file/263/2024/0095/Commercial-Utilization Gujarat Fibre Grid Network Limited (GFGNL)**

7th October 2024



Issued By :

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

Fact Sheet:

#	Particular	Details
8.	Last date for submission of Bid/proposal	18/09/2024 08/10/2024 18/10/2024 at 06:10 pm 03:00 pm
9.	Last date for submission of Bid/proposal (Physical copy excluding financial bid only if asked based on nature of RFP)	21/09/2024 11/10/2024 at 03:00 pm (Date of submission of bid + 4 working Days) In event of particular ask of submitting physical copy then logical portion of the bid should be appropriate in the respective sealed cover for maintaining confidentiality.
11.	Submission of Integrity Pact, EMD, RFP Document Fee and Letter of Authorization	21/09/2024 11/10/2024 18/10/2024 at 04:10 pm (Date of submission of online bid + 4 working Days) for physical copy
18.	Method of Selection (Define)	L1-QCBS (60:40)

Annexure-I : Pre-Bid query Response/Clarification

Sr. No	Clause Title	Page No.	Content of the RFP Requiring Clarification	Clarification Sought	Response / Revised Clause
1	Clause - 3.1 (A) Scope of Work (SoW) for the Bidder	19	Bidder has to ensure the procurement of latest products. GFGNL will disallowing products having manufacturing dates older than a year from the date of submission of the RFP.	As last mile connectivity quantity is not finalized and based on projection of LMCs from concern Zones we can plan material but utilization of material in one year for all products criteria need to revisit and atleast 3 years product utilization to be allowed.	Query Already Answered, Refer Corrigendum-I in Annexure-II Page-165.
2	SECTION-2 Introduction & Objective of the RFP	13	Bidders are also requested to get the technical information about the network implemented by GFGNL by referring to the RFP (Request for Proposal	Request to provide details on Technical Infrastructure	Refer annexure-III in Corrigendum-I for Geographical Coverage details. Other additional parameters are available in various parts of RFP Sections.

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			(RFP) for Selection of Project Implementing.		
3	3.1.1. OFC installation through open trenching & ducting and HDD	22	Installation through open trenching & ducting and HDD	Requirement of Average OFC installation length of per LMCs	Refer Corrigendum-I in Network Solution and Media design section.
4	Scope Of Work Clause - 3.3.2 (viii)	35	In case any cable/link is damaged due to road widening, construction of bridges, culvert more than 100m sections or change in RoW due to utility (like in case of drainage/water pipeline project etc) or aerial damage due to major EB pole shifting work / by any third party /due to any other field challenges within defined timeline. However, the Bidder can raise a reimbursement request in particular cases where the situation is beyond the control of Bidder. The GFGNL competent authority will take further decision on reimbursement request based on valid proof submission.	Clarification given in more than 100m section to reimbursement, However clarification require on Less than 100m reimbursement	<=100m section it will be under bidders O&M scope.

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5	Clause - 3.3.3.1 Resources Matrix	36	2 - 2nd manpower will be deployed once total 200 connections are established	Clarification require on clause 3.3.3.1 & clause no 3.2.1 for Manpower deployment.. As per clause 3.3.3.1 - 2nd manpower to be deployed at zone level However, as per clause no. 3.2.1 - 1 member per 200 connections on field at district level.	Refer revised Clause in Annexure -III - 3.3.4.1. of Corrigendum-II
6	Distance Support	180	P2P – Upto 10 Km aerial distance minimum	We assume that the RF device and link will support a throughput of 100 Mbps. The bidder is required to deploy appropriate RF devices and antennas based on the distance span of up to 10 KM	Refer the latest Corrigendum-II,(Section: Technical specifications and financial criteria)
7	Distance Support	181	P2MP – Ensuring 360 -degree radius coverage with multiple MIMO sectorial antennas coverage Upto 5 Km aerial radius minimum. *Bidder has to optimize the hardware (radio & Antennas based on the site feasibility)	The P2MP RF device is required with either an Omni antenna or a 120-degree sectorial antenna. Kindly clarify whether the 3-sector P2MP setup should be considered as 1 unit or if sector-wise deployment is required, with the option to deploy only 1 sector on Day 1.	Refer the latest Corrigendum-II,(Section: Technical specifications and financial criteria)

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8	Management	182	SNMP V3, Remote management, should have facility to set password for local & remote login, TR-069 for more comprehensive management	<p>Clarification regarding the implementation of TR-069 for more comprehensive management. Specifically, we are looking for details on how TR-069 can be utilized for efficient remote management, monitoring, and configuration of devices within our network.</p> <p>Could you kindly provide the following information: Detailed capabilities of TR-069 for device provisioning and management. Any additional features that support real-time monitoring and troubleshooting. Compatibility requirements for integrating TR-069 with our existing infrastructure.</p>	<p>TR-069 is nothing but universal protocol for WAN remote management for auto configuration, software/firmware updation.</p> <p>This Project is rural centric and spreadover in Gujarat with multiple locations. It is the first basic expectation from the bidder to provide digital layer for faster turnaround/firmware upgradation centrally. The devices which can not be supervised or firm ware upgraded remotely may lead to disqualification of bid.</p>
9	Note	183	In any case as of law/government guideline 802.11/ac/n/b/g will EoL, bidder has to ensure to upgrade the device or provide new hardware with upgraded to Wi-Fi 6 (802.11ax) without any additional cost to GFGNL.	<p>Upon review, the clause requiring the bidder to upgrade devices from 802.11ac/n/b/g to Wi-Fi 6 (802.11ax) without additional cost has been found not viable. Given the unpredictable nature of technology updates and evolving industry standards, it may place an undue burden on the bidder to preemptively bear the cost of hardware upgrades due to potential future legislation or government mandates.</p> <p>Therefore, we propose removing this clause from the RFP</p>	<p>We are looking for latest and Quality product fulfilling varied enablement of services. The bidder is expected to refrain in providing obosolute, out dated and out of matching preveling standards/protocols. The any attempt to obeviet with this expectation may lead to disqualify the bid. To Run on this perticular ask the answer is latest is Wi-Fi 06 (802.11ax). Please refer the Technical Specifications in Corrigendum-II.</p>

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10	ONT(Optical Network Terminal) (Manageable)	185	ONT(Optical Network Terminal) (Manageable)	Is the proposed WiFi ONT designed to connect exclusively to the new Mini OLT, or is it also capable of integrating and connecting with the existing GFGNL OLT infrastructure?	We do not want this work around solution.Hence No Change.
11	Priced BoQ	198	Quantity for each line item in Column "A" to be filled by Bidder.	The provided price BOQ is for reference purposes only. Evaluation and commercial payout will be based solely on the financial bid. Kindly provide fixed quantities are specified for all item.	Refer Revised Clause in Financial Criteria in Corrigendum-II.
12	Services - Passive Infrastructure for wireless link required RCC / foundation work & material required for same (excluding pole)	199	Installation of 3 mtr wall mount pole including required RCC / foundation work & material required for same (excluding pole)	It is understood that if it is wall-mounted, then there is no need for an RCC foundation	Yes, It was a typo mistake and Thanks for bringing in our knowledge.We have corrected. Please refer revised Financial Criteria Line Items in Corrigendum-II
13	Material Supply - Active Infrastructure	201	Base Station site radio for point to multipoint radio link including earthing cable, lightening arrester, clamps/fixtures, RF & electrical cables etc	Please clarify whether the RF device should be considered on a sector-wise basis, or if a quantity of three sectors will be counted as one set	Refer the latest Corrigendum-II,(Section: Technical specifications and financial criteria)

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14	Material Supply - Active Infrastructure	202	Point to point Li-Fi / FSO link set including earthing cable, lightening arrester, clamps/fixtures, optical patch cord & electrical cables etc. including Installation, configuration, commissioning and acceptance testing	Request to you pls split or mention 5KM and 10 KM along with Appropriate POLE height up to 12 Mtr, earthing , Wi-Fi Router..	Please refer revised Financial Criteria Line Items in Corrigendum-I
15	Annexure-VII:Financial Criteria	202	Wireless: SITC(Supply, Installation, Testing and Commissioning) of P2MP wireless UBR base station radio including antenna/s for 3600 coverage for all types of integration of all necessary wireless accessories including but not limited to , elements of networking, earthing, , clamps, RF & electrical and networking cables/other accessories, configuration and services provisioning , testing, etc.	Please confirm this is 656 qty Base radio is required or 656 sector is required ?	Refer the latest Corrigendum-II, (Section: Technical specifications and financial criteria)
16	Annexure-VII:Financial Criteria	202	Wireless: SITC(Supply, Installation, Testing and Commissioning) of P2MP wireless UBR at client end radios including antenna/s, all types of integration of all necessary wireless accessories including but not limited to ,	It is understood that we have to consider SITC of WiFi router at last mile customer also in this line item. pls confirm	Yes, It was a typo mistake and Thanks for bringing in our knowledge. We have corrected. Please refer revised Financial Criteria Line Items in Corrigendum-II

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			elements of networking, earthing, , clamps, RF & electrical and networking cables/other accessories,configuration and services provisioning, testing,etc		
17	Annexure-VII:Financial Criteria	203	3 Mtr Wall Mount SITC(Supply, Installation,Testing and Commissioning) with all types of civil and service activities including but not limited to, earthing, lightening arresters, clamps and all other accessories(earthquake resistance,150 KMPH wind speed support, weather proof structure, lighting arrester with proper earthing will be must)	2 Pole + 2 RF device will be consider as 1 Link for customer.	Refer the latest Corrigendum-II,(Section: Technical specifications and financial criteria)

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18	Annexure-VII:Financial Criteria	203	6Mtr to 12 Mtr(6/9/12mtr) RTT/GBT SITC(Supply, Installation,Testing and Commissioning) with all types of civil and service activities including but not limited to,Foundation, earthing, lightening arresters, clamps and all other accessories, earthquake resistance,150 KMPH wind speed support, weather proof structure, Lighting arrester, aviation lamp, with proper earthing will be must	Please Clarify that the bid price be considered for all types of poles/towers, or should it be based on the prices provided in the BOQ?	Refer the latest Corrigendum-II,(Section: Technical specifications and financial criteria)
19	Annexure-VII:Financial Criteria	203	8 Mtr of RCC Pole for Aerial Connectivity SITC(Supply, Installation,Testing and Commissioning) with all types of foundation activity,structure stability with 150 KMPH wind speed support,Foundation,safety standards,earthing, services/labour activities for structure aerial connectivity,etc.	It is understood this is for Aerial pole only .Earthing not required	Yes, It was a typo mistake and Thanks for bringing in our knowledge.We have corrected. Please refer revised Financial Criteria Line Items in Corrigendum-II

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20	Annexure-VII:Financial Criteria	203	>12 Mtr(More then 12 Mtr) GBT/Mast SITC(Supply, Installation,Testing and Commissioning) with all types of civil and service activities including but not limited to,Foundation, earthing, lightening arresters, clamps and all other accessories, earthquake resistance,150 KPMPH wind speed, weather proof structure, Lighting arrester, aviation lamp, lighting arrester with proper earthing will be must	It is understood that we have to consider Mast tower only (No pole)	It will be GBT/RTT/Mast. Please refer revised Financial Criteria Line items in Corregendum-II
21	Annexure-VII:Financial Criteria	204	VIP/Ad-Hoc Events: Establishment(SITC(Supply, Installation, Testing and Commissioning)), Service(labour/transportation , etc.) and recovery(dismantle) Cost to maintain Tempory Connectivity during VIP / Major/ Ad-Hoc Events for Wireline on Fibre	It is understood that this cost applies per event only, and the asset owner will be the PIA after the event has been completed. Pls confirm.	Mostly, The Events in the government functions are highly sensitive and related to VIPs and hence, as a creadible bidder it is expected that the link as well as other necessary items limited to connectivity is the basic expectation from the bidder. The bidder need to provision 1% of the scoped as a spare while submitting the bid. The Bidder may be custodian of the spare assets and certainly he will be owner of the any new asset of that particular event. And Hence, to clarify that bidder has to quote for service cost only per event.

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22	Annexure-VII:Financial Criteria	206	Structured CAT 6 LAN cabling work (including Supply, installation and Termination,testing of CAT6 cables, PVC flexible Pipes and accessories, RJ45 termination at work station along with I/O boxes, Face Plates, Casing and Capping, conduits, RJ-45/RJ-11 Connector and configuring node in network) More than 8 user end points	Please confirm the maximum number of user endpoints, assuming that all points should be located in the same room.	<p>Cat-6 LAN Distance : This LAN connectivity from Source to the destination is expected as per the industrial standard of 90 mtr - CAT-6 cable . And Hence the room including the adjoining room within a limit of 90 Mtrthe maximum number of user endpoints, assuming that all points should be located in the same room.</p> <p>Campus Distance/ Long distance LAN: To Simplify this governance and to get rid of counting, measuring and verifying tiny items associated with connectivity. For Minor Fibre works to connect long distance rooms blocks within the same campus in rural area, bidder will be compensated by way of Rs 20/- per meter actual physical distance inbetween two locations including workmenships.</p>
23	LAN Structured Cabling Works	210	In case of repairing or upgradation of existing links bidder will be responsible for removal of existing old/faulty cables or material without any additional cost to the purchaser	It is understood that this will be treat as new connection and claimed as per S No 15 & 16 on financial bid	Refer Revised Clause in Corrigendum-II.
24	LAN Structured Cabling Works	212	All node should be connected to switch through I.O. Port and Patch panel only.	It is understood we have to do LAN cabling only and here switch means existing available switch only.	It will be good if bidder can use existing customer switch if available ,functional and provided by the customer Or Otherwise the line item wise switch is already available in Financial bid.

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25	P2P/P2MP	-	Additional Clause	Also request to consider P2P/P2MP unlicensed radio on single carrier frequency at 5 GHz with 2 X2 MIMO antenna should have maximum throughput of 1 gbps at 80 MHz and provision of 2 gbps at 160 MHz channel. This is to avoid OEMs who may offer 1.5 gbps (2 x 750 mbps) or (3 * 500 mbps) Radios to meet 1 gbps tender specification by dual carrier or 2/3 boards in single box giving aggregated throughput of 1 Gbps	Refer the latest Corrigendum-II,(Section: Technical specifications and financial criteria)
26	Eligibility Criteria	Pg 46 Sn 2	1 Zone 7 Cr, 2 Zone 14 Cr, 3 Zone 21 Cr, 4 Zone 28 Cr	Request that you modify the average annual turnover during the last 5 audited financial years (2019-20, 2020-21, 2021-22, 2022-23 & 2023-24) 1 Zone 5 Cr, 2 Zone 10 Cr, 3 Zone 13 Cr, 4 Zone 17 Cr, so we are easily applied all 4 zones	For the wider participations,the clause is revised, please refer in the Corrigendum-II section Eligibility Criteria.
27	Eligibility Criteria	Pg 46 Sn 2	1 zone 1000 Kms, 2 zone 2000 Kms, 3 zone 3000 Kms, 4 zone 4000 Kms.	Request that you modify the Optical fiber (UG or Aerial) 1 Zone 500 Kms, 2 Zone 1000 Kms, 3 Zone 1500 Kms, 4 Zone 2000 Kms, so we are easily applied all 4 zones • Validated Data from Government sources (DoT /TRAI reports, portal log, reputed enterprise etc.) • The details of ISP nodes or points of presence with their locations and number of broadband/ leased subscribers.	For the wider participations,the clause is revised, please refer in the Corrigendum-II section Eligibility Criteria.

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28	Annexure-V :Eligibility Criteria, Point 3.2	Page 190	For Wireless UBR /Li-Fi links : The Sole Bidder or Lead Bidder in case of a consortium should have Experience of wireless UBR/Li-Fi equipment installation,commissioning or O&M of at least in last 5 years	<p>In the eligibility criteria , in some places (Annexure-V :Eligibility Criteria, Point 3.2 of corrigendum) , it has been mentioned that the only the experience of the Sole Bidder or Lead Bidder (in case of consortium) shall be considered.</p> <p>However, in other places: (1. Annexure-V :Eligibility Criteria, Point 3,</p>	No Change, As per RFP

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29	Annexure-V :Eligibility Criteria, Point 3, Note 1 & Note 2	Page 190	<p>Note 1: The Sole Bidder or members of the Consortium, should meet the Technical Capability requirements either on their own or jointly for the works awarded directly by the TSPs, Category-A ISPs, IP-1, Central Government, State Government, Municipal Corporations for Smart City Projects, BharatNet SPVs, PSUs for their own network and not sub-contracted works. However, for installation and commissioning of active nodes, the experience certificate issued by the OEMs for the works awarded by the TSPs/ISPs to the OEMs shall also be considered. The above experience conditions can be met either through single project or multiple projects executed during last 5 years as on date of submission of bid.</p> <p>Note 2: The technical experience for work executed in foreign countries for TSPs or Government shall also be considered.</p>	<p>Note 1 & 2. Annexure-VI: Technical Qualifications Criteria Point 4 of the corrigendum) , it has been mentioned that the experience of the sole Bidder or members of the Consortium should meet the Technical Capability requirements either on their own or jointly .</p> <p>It is requested to consider the combined experience of the consortium partners to fulfil the project experience or the technical capability requirements.</p>	Looking at nature of rural centric complexities involved in the project, the quantum of work experience and other criteria's are not to be met jointly.(For Query 29 &30)

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30	Annexure-VI: Technical Qualifications Criteria Point 4	Page 197	The bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of wireless (unlicensed band radio) & Wireline links as per eligibility criteria section point-6 in last 5 years as on bid submission date.		
31	Annexure-V :Eligibility Criteria, Point 3.2	Page 190	For Wireless UBR /Li-Fi links : The Sole Bidder or Lead Bidder in case of a consortium should have Experience of wireless UBR/Li-Fi equipment installation,commissioning or O&M of at least in last 5 years.	It is requested to consider Licenced radio along with Unlicensed (UBR) radio links as we have extensive experience in executing projects related to VSAT, TETRA and Wifi Hotspot for BSNL, BBNL and Police.	The Project is related with Last mile UBR,Fibre and thus similar experience was sought.
32	Annexure-VI: Technical Qualifications Criteria Point 1	Page 196	The Bidder should have demonstrable experience of planning /service delivery and O&M for at least 5 such projects. Note: On Annual turnover (With reference to Package A/B eligibility criteria point 4) a) 5 Project: 10 marks b) 6-8 Projects: 15 marks c) 9-10 Projects: 20 marks	The note in the refered clause mentions "On Annual turnover (With reference to Package A/B eligibility criteria point 4)". However, the following may be seen: 1. The point no. 4 of the eligibility criteria refers to the undertakings to be provided by the bidder and OEMs. 2. There is no mention of elegibility criteria with reference to Package A/B either in the RFP or the Corrigendum-I. Therefore the clarification may please be provided regarding the context in which the note is refered.	As mentioned in RFP,it is based on selection of bidder per zone and hence eligibility criteria is applicable for per zone.,Refer the Corrigendum -II for clarifications

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33	P2P & P2MP unlicensed radio	Pg 181 Corrigen dum I,Sn 4	ports	1 x 10/100/1000BaseT Ethernet (Auto-negotiation) & 1 x 10/100 Base-Tx (RJ-45) (Auto-negotiation)	Refer Corrigendum-I , LAN and WAN ports are basic necessity,i.e. One interface will be from PoE to Radio and other interface is from PoE to GFGNL Network device.
34	P2P & P2MP unlicensed radio	Pg 182 Corrigen dum I,Sn 20	Additional features/advanced technology support	• Remove-The final alarm/alert or message sent by a device before it shuts down or loses power or power shut down alert	It is functional requirement to acknowledge power shutdown.
35	P2P & P2MP unlicensed radio	Pg 182 Corrigen dum I,Sn 20	Additional features/advanced technology support	Remove - There shall be Selectable channel bandwidth of 20, 40, 80,160 MHz without any SW licenses or restrictions and additional cost to GFGNL	There shall be Selectable channel bandwidth of 20, 40, 80,160 MHz without any SW licenses or restrictions and additional cost to GFGNL, Please refer the Corrigendum II for technical Specifications.
36	-	-	New Clause	The OEM of the proposed solution should fall under Class-1 Category of Make in India	Please Refer the Corrigendum-I Answered in Query -21

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37	Eligibility Criteria	-	Eligibility Criteria	<p>For Eligibility criteria of OFC, UBR Links and CPE clauses 3.1, 3.2 & 3.3 in RFP and corrigendum1 - the clear understading for eligiblity criteria is not providing clarity on which point GFGNL will precide the evaluation criteria i.e. on 3.1, 3.2, 3.3 OR Notes where " The Sole Bidder or members of the Consortium, should meet the Technical Capability requirements either on their own or jointly for the works awarded directly"</p> <p># Request to change the clauses words which should be same as Notes for clear understanding of how evaluation will be considered for eligibility</p> <p># This clarification shall provide clarity to lead bidder and thier consortium members on eligibility clause of RFP to proceed for consortium.</p>	Refer Query Answered in 29 & 30

Annexure-II Revised Clauses:

Original Clause	Revised Clause/Clarifications
<p>MSE (Micro & Small Enterprise) bidders are exempted from payment of Tender Fee/Bid Security provided they submit current and valid Udyam Registration Certificate (URC) issued from the Ministry of MSME. Udyam Registration Certificate (URC), submitted by the MSE bidder in their online bid for claiming exemption from Tender Fee & Bid Security, must be current & valid on the date of opening of the Technical bid part. Micro and Small Enterprises (MSEs) registered under Udyam Registration are eligible to avail the benefits under the policy. In case of a bid by a Consortium, all the members of the Consortium should be MSE to avail the exemption from payment of Tender Fee/Bid Security</p>	<p>We have already asked for very minor tender fees and EMD looking at size of the project for wider participation.Hence Further relaxations is not required to obtain serious bid.Hence, clause is removed. MSE (Micro & Small Enterprise) bidders are exempted from payment of Tender Fee/Bid Security provided they submit current and valid Udyam Registration Certificate (URC) issued from the Ministry of MSME. Udyam Registration Certificate (URC), submitted by the MSE bidder in their online bid for claiming exemption from Tender Fee & Bid Security, must be current & valid on the date of opening of the Technical bid part. Micro and Small Enterprises (MSEs) registered under Udyam Registration are eligible to avail the benefits under the policy. In case of a bid by a Consortium, all the members of the Consortium should be MSE to avail the exemption from payment of Tender Fee/Bid Security</p>
<p>New Clause: Clause Regarding the Submission of OEM Manufacturer Authorization Form (MAF) by Bidders</p>	<p>Bidders are hereby instructed to adhere to the stipulation of submitting a single OEM-Manufacturer Authorization Form (MAF) per technology for each bidding package. The bid covers two packages; each package has two zone. (i.e., Package-A has two Zones-Vadodara and Surat, Package-B has two Zones -Ahmedabad and Rajkot)</p> <p>The MAF provider must take measures to prevent or reduce the risk of OEM and technology failures. Only one MAF should be provided for each package, for instance, Package A (Zone - Surat and Vadodara) and Package B (Zone - Ahmedabad and Rajkot). The same product MAF shouldn't be submitted for both packages by an LMCA/SI. Two SI/LMCAs can provide one MAF. Non-compliance will lead to bid rejection. If a bidder participates for more than one package, only one MAF of a specific technology (wireline/wireless) per package should be submitted.</p> <p>For instance, if Bidder 'X' participates for all Four Zones, they must submit different MAFs for the appropriate product of a specific technology (wireline/wireless) per package. For Example, For the wireless technology, 'Y' OEM can participate in Package-A, whereas for Package B, a different wireless technology OEM partner is needed, else the bid will be disqualified.</p>

Original Clause	Revised Clause/Clarifications
	<p>In accordance with the RFP, the successful Bidder may procure and supply materials from any combination of the quoted OEMs to meet delivery timelines.</p> <p>If in case any combination arises at the financial stage where more than two zones (two zones from one package and one from another package) qualify for an OEM by two different LMCAs/SIs, GFGNL has the right to ask the selected LMCA/SI to change the OEM partner. This would be in accordance with the product/technology delivery as stated above. The selected SI/LMCA will be solely accountable for delivery and the submission of a revised MAF to GFGNL. And same has been also applicable to bidder who has applied, qualified and selected for single zone.</p> <p>Bidders are therefore urged to be meticulous in their compliance with these guidelines to ensure consideration in the evaluation process. The goal of this clause is to maintain transparency, encourage fair competition, and ensure that the government procures the best quality technology at the most competitive prices.</p>
<p>Payment Terms For P2MP Radio Connectivity</p>	<p>The bidder must optimize the hardware (radio & Antennas) based on the feasibility of the site. Regarding payment terms, for the sake of uniformity, a financial rate for Base station unit is as "Set".</p> <p>Case:1 If any OEM/SI provide solution to deploy multiple radios with approximate capacity of 3 or 4 number of minimum 500/600 Mbps radio's with sectorial antennas to cover overall - comprehensive coverage, then in this case, with atleast ~120deg coverage than payment of line item-02 will be adjusted by 40% .For the first radio payment will be released only after end to end connectivity visibility in NMS including atleast one client end link implementation with valid documentation submission. after 2nd radio deployment with additional 120 degree and discovery in NMS including atleast one client end link next 30% will be released and later after 3rd radio implementation with additional ~120 deg coverage then remaining 30% will be released after base radio including customer end to end link will be visible in NMS (as quoted supply is at 50% of P2MP capacity 1G, required 3 baseband to cover 360deg coverage)The Base station deploy at GP end only.This all with respect to overall submission of valid documentations.</p>

Original Clause	Revised Clause/Clarifications
	<p>Case:2 If any OEM/SI provide solution to deploy single radio with 360 degree coverage with overall throughput of 1Gbps, payment will be given for 100% entire line item once the link will be visible in NMS including end to end customer link visibility and submission of valid documentations.</p>
<p>Bidder will have to supply license EMS (Element Management System) for each active components like but not limited to radios, router, switch,Li-Fi, Mini-OLT/ONT etc. used in network so that required alarms can be monitored and also remotely monitor to know atleast the OFC Cut Issue, Power Issue(Utility),Equipment- cold Start, warm Start, link Down, linkUp, authentication Failure, latency, Jitter and Neighbor Loss status related performance parameters, Proactive alarms of each equipment from day-01 of device integration in network and mapped in Bidder's NMS on day-01. Bidder has to provide all active elements and its network performance like but not limited to, Services, link performance- Availability(Up/Down) including reason of outage-alarm Management, Throughput, latency,packet drops, jitter,Tx-Rx level ,For Wireless (RSSI) etc. through EMS (preferably licencense based EMS) and integrate with GFGNL's NMS either through API or by providing suitable mechanism without any additional cost to GFGNL.</p>	<p>Bidder will have to supply license perpetual EMS (Element Management System) for each active components like but not limited to radios, router, switch, Li-Fi, Mini-OLT/ONT,CPE etc. used in network for entire contract duration so that required alarms can be monitored and also remotely monitor to know atleast the OFC Cut Issue, Power Issue(Utility),Equipment- cold Start, warm Start, link Down, linkUp, authentication Failure, latency, Jitter and Neighbor Loss status related performance parameters, Proactive alarms of each equipment from day-01 of device integration in network and mapped in Bidder's NMS on day-01.</p> <p>Bidder shall not provide any active equipment without proper native / licensed EMS. For Each family/category of active equipments the bidder has to provide single licensed EMS to avoid efforts on multiple integrations with GFGNL NMS.</p> <p>The EMS is / are for each Bidder has to provide all active elements and its network performance like but not limited to, Services, link performance- Availability(Up/Down) including reason of outage-alarm Management, Throughput, latency,packet drops, jitter,Tx-Rx level ,For Wireless (RSSI) etc. through EMS (preferably licencense based EMS) and EMS must be integrate with GFGNL's NMS either through API or by providing suitable mechanism without any additional cost to GFGNL.</p>
<p><u>Existing Clause in LAN Structure :</u> In case of repairing or upgradation of existing links bidder will be responsible for removal of existing old/faulty cables or material without any additional cost to the purchaser.</p>	<p>In case of repairing or upgradation of existing delivered links of customer under this project, the bidder will be responsible for removal of existing old/faulty cables or material without any additional cost to the purchaser and it will be part of their O&M Scope. However, before onboarding customer / received order from customer if in the case customer already have existing LAN cabling and asked to repair or upgrade the services cost, it will be treated as new connection and claimed as per applicable Sr No 15 & 16 in financial bid line items.</p>

Original Clause	Revised Clause/Clarifications
<p>Bidder can submit bid(s) for as many zones as they want, but any successful bidder will get only for maximum 2 zones. If any Bidder wins in more than 2 zones, then Bidder will have to decide & convey to GFGNL within 2 days the 2 zones where he wants to accept WO and successful Bidder's quotes for other zones will become null & void. If the bidder will wins for any three(3) zones, then bidder will get the two zones which are part of single package,i.e. Package-A (Zone-Baroda,Surat) or Package-B(Zone-Rajkot,Ahmedabad). For ex.: If any Bidder wins in Zone – A, B & C and GFGNL allots work in zones – A & B, in this case L2, L3,...Ln Bidders of zone – C will be given a chance sequentially to match L1 price of zone – C & whosever first matches will be allotted work for zone – C. That means, if L-2 reject, chance will be given to L-3 and if L-3 rejects chance will be given to L-4 and son on till Ln. If no Bidder from zone – C matches L1 price, than L1, L2, L3,...Ln Bidders of zone – D(Of same package) and L2, L3,...Ln Bidders of all other zones (A & B) will be given a chance to match L1 price of zone – C in chronological order (from lowest price to highest price) & whosever first matches will be allotted work for zone – C provided no Bidder gets work for more than 2 zones.</p>	<p>Zone/s Participations: Bidder can submit bid(s) for as many zones as they want, but any successful bidder will get only maximum 2 zones. If any Bidder wins in more than 2 zones, then the GFGNL has the sole rights to allocate the zones without consultation with bidder. Therefore, it is expected that bidders are to be financial realistic while participating in more than two zones. The non acceptance of allocated zone/s by the selected bidder shall be observed very seriously by the tenderer.</p> <p>Zone/s Allocations: However, allocation at the end of tenderer side will be based on financial, Technical, and Operational convenience in the larger interest of the tenderer.</p> <p>Rate Matching In Between Zone/s: The Zones will be different geography, terrain, Social economic conditions and associated ground conditions and hence the rates quoted in one zone will not be comparable with other zone/s rates. Therefore, to reduce complexities and procedural issues the rate comparing activity may not be of high relevance at here.</p> <p>Rate Matching Within the Zone: Within the zone, price matching criteria will be applicable. While rate matching process, the bidder may choose corresponding matching product and rate.The sequence shall be L1 then L2 then L3 andSo on of that particular zone. there after the same process will be repeated for other zone of same Package followed with same sequence and later with cross zones/package. For the Convenience and simplification, the above process is exemplated as below.</p> <p>If the bidder will wins for any three(3) zones, then bidder will get the two zones which are part of single package,i.e. Package-A (Zone-Baroda,Surat) or Package-B(Zone-Rajkot,Ahmedabad). For ex.: If any Bidder wins in Zone – A, B & C and GFGNL allots work in zones – A & B, in this case L2, L3,...Ln Bidders of zone – C will be given a chance sequentially to match L1 price of zone – C & whosever first matches will be allotted work for zone – C. That means, if L-2 reject, chance will be given to L-3 and if L-3 rejects chance will be given to L-4 and son on till Ln. If no Bidder from zone – C matches L1 price, than L1, L2, L3,...Ln</p>

Original Clause	Revised Clause/Clarifications
	Bidders of zone – D(Of same package) and L2, L3,...Ln Bidders of all other zones (A & B) will be given a chance to match L1 price of zone – C in chronological order (from lowest price to highest price) & whosever first matches will be allotted work for zone – C provided no Bidder gets work for more than 2 zones.
	i) For Wireless connectivity at GP/PoP end single tower will be use (based on the site Conditions /availability)for P2P as well as P2MP Connectivity or minimum 3 / 4 P2P connectivity can be explore, bidder has to take proper safety precautions and plan the RTT/Pole/Mast at GP based on the site feasibility with appropriate weightage and loading factors of all Radio/s,Antenna's and other accessories.

Annexure-III:

3.3.4 Resources

3.3.4.1. Bidder(s) has to deploy resources based on following matrix,

#	Resources	Location	Academic Qualification	Experience (In Years)	Responsibilities
1	2 resources per zone	At Backoffice-Gandhinagar	BE(Bachelor Of Engineering)/B.Tech in Electronics and Communications or equivalent	>=3 Years experience in Enterprise Service delivery and Operation of large-scale last mile networks including troubleshooting experience in ISP. Note: Rs 25,000/- per month per resource will be deducted on account of lower the irrelevant experienced deployment. The irrelevant matching profile deployment will be not be paid	For assigning trouble tickets to field resources, coordination with their field manpower for fault resolution, coordination with GFGNL NOC & other Project stakeholders etc

#	Resources	Location	Academic Qualification	Experience (In Years)	Responsibilities
2	<ul style="list-style-type: none"> 1 manpower once total 50 connections are established in a particular zone district. 2nd manpower will be deployed once total 200 connections are established in particular district 	on field	ITI / Diploma	>=3 Years field level technical experience in last mile network deployment(wireless and wireline) including operation management Note: Simple experience in fibre laying, helpdesk, sales and marketing are not eligible	Responsible for Day-to-Day operational Activities, PM activities, etc.

Bidder may increase manpower counts in the future including field FRT Team if required to maintain field activities and to maintain the SLA with approval from GFGNL without any cost to GFGNL.

Annexure-IV Technical Specifications:

P2P & P2MP unlicensed radio

Sr. No.	Parameters	Minimum Specifications
1.	Operating frequency band	5.X GHz
2.	Distance support	P2P / P2MP-Up to 10Km P2P – Minimum 10 Km aerial distance without any distortion on specified signal strength ,throughput, performance and other qualitative connectivity aspects. P2MP – Ensuring 360 ⁰ -degree radius coverage with multiple MIMO sectorial antennas coverage of minimum 5 Km aerial radius without any distortion on signal strength, throughput, performance and other qualitative connectivity aspects.

Sr. No.	Parameters	Minimum Specifications
		*Bidder has to optimize the hardware (radio & Antennas based on the site feasibility) For P2MP , client end radio/PoE/IDU Device should be from same OEM of PoP/base station Radio/PoE/IDU Device for better network availability
3.	Throughput support	Dedicated Minimum 100 Mbps per P2P link with atleast P2P radio backplane capacity of minimum 500Mbps , Base station Throughput for P2MP link: Minimum 1 Gbps with appropriate backplane capacity.
4.	Ports	1 x 10/100/1000 BaseT Ethernet (Auto negotiation) 2 x 10/100/1000 BaseT Ethernet (Auto negotiation) Both Port 10/100/1000 Base T Ethernet (RJ45)(Auto negotiations) at PoE/IDU port for one WAN and one LAN
5.	VLAN support	802.1Q , Q-in-Q, Access, Trunk, Transparent, and management VLAN, QoS
6.	Security	System should support WPA-PSK Encryption (Security: System should support AES 128/256 Encryption.) Radios should support IPv4 & IPv6
7.	Electrical requirement	Power over Ethernet (PoE) injector (maximum upto 15W)
8.	Compliance	The Equipment should be type approved by WPC. NSDTS* and MTCTE certified.
9.	Management	System should be remotely manageable
10.		System should have GUI interfaces
11.		System must provide alarm and control capabilities via Simple Management Protocol (should support SNMPv3) this should be following but not limited, Power Issue(Utility),Equipment- coldStart, warmStart, linkDown, linkUp, authenticationFailure, and egnNeighborLoss link utilization, performance, latency,etc.
12.		Automatic Channel selection immediately switches to the best suitable channel in case of interference/dynamic auto optimization of channel and bandwidth. Various radio interference mitigation technic.
13.		Software upgrade to system should be done through the network remotely.
14.		Operating Temperature support : -10 degrees C to +60 degrees C (in installed condition)

Sr. No.	Parameters	Minimum Specifications
15.	Environment requirements	Working Humidity support: between 10% - 95%, non-condensing at all operating temperatures
16.		It should be IP67 and wind survivability for minimum 150 Kmph
17.		System should be suitable to withstand continuous exposure to rain and sunlight.
18.	Protection	Radio system should have built in surge protection mechanism.(upto 2KVA)
19.	Latency	3- <5 ms(for P2P link) 8-10 ms (for P2MP Link)
20.	Additional features/Advance Technology support	<ul style="list-style-type: none"> The final alarm/alert or message sent by a device before it shuts down or loses power or power shut down alert / , GPS-Real time synchronization, GPS-Real time synchronization, MAC level authentications, For better link security -Link password/RADIUS authentication suggested. Wall /Pole/Mast Mount facilities For P2P/P2MP 160MHz once approved by regulated authority DoT/TRAI shall be provided to tenderer without any SW licenses or restrictions and additional cost to GFGNL Wi-Fi Product is not allowed, SSID should not be broadcasted, only OEM radio should be see SSID.
21.	Product Lifecycle	7 years

CPE (customer premise equipment) router – (Wi-Fi CPE)

Sr. No.	Parameters	Minimum Specifications
1.	No. of WAN port (1GE RJ45 port)	1 no.
2.	LAN Port (10/100 BaseT ports)	2 nos.
3.	Flash Memory	Minimum 64Mb
4.	Routing protocol	Static IPv4 routing, static IPv6 routing

Sr. No.	Parameters	Minimum Specifications
5.	Management	SNMP V3, Remote management, should have facility to set password for local & remote login, TR-069 for more comprehensive management.
6.	Encapsulation	802.1q VLAN, PPPoE
7.	Wi-Fi support	802.11/ac/n/b/g *Wi-Fi6(802.11ax)
8.	Wireless security	WPA/WPA2, WPA-PSK Encryption
9.	Feature support	IPv6 support, Quality of Service (QoS), IPSEC, DHCP, IGMP V3, NAT and Firewall Services, WPC ETA (Equipment Type Approval) certificate
10.	Operation Temperature	0 to 50 °C
11.	Power input	230 V AC, 50-60 Hz
12.	Safety standard	UL / IEC / MTCTE and NSDTS* certified

Note: In any case as of law/government guideline 802.11/ac/n/b/g will EoL, bidder has to ensure to upgrade the device or provide new hardware with upgraded to Wi-Fi 6 (802.11ax) without any additional cost to GFGNL.

Mini GPON OLT 4 Port - Compatible with GFGNL Device – OLT, ONT, Switch,..etc.

Sl. No.	Parameter	Tender Specifications
1	Management Ports	1# 1G BASE-T Management port, 1#RJ45 CONSOLE port, 1#USB2.0, User friendly GUI Management
2	No. of Ports	2# 1GE / 10GE SFP base Ports, 4# GPON/PON Ports 2#Copper 10/100/1000M auto-negotiation
3	MAC	Support upto 16K MAC address

Sl. No.	Parameter	Tender Specifications
4	GPON Features	splitting ratio - 1:128 or better Transmission Distance - 20KM Performance - Upstream 1.244Gbps, Downstream 2.488Gbps Wavelength - RX 1310nm and TX 1490nm Connector - SC TYPE Fibre support - Single Mode 9/125µm TX Power: +4.5 ~ +10dBm Rx Power: -27 dBm Class B+ and Class C+ Compliant to ITU-T984.x standard OLT to Support Broadcast Storm Control
5	Operation Temperature	0 °C to 60 °C
6	Physical Indicator	Power Indicator, system Indicator, port indicator (ACT/Link), PON port indicator, (power Consumption indicator-optional), over temperature sensors/indicator and shut down
7	Other	-Deployed indoor or in cabinets - Remote accessibility is required - As per TEC GR no. TEC-GR-FA-PON-002-02-NOV-18 or latest with all amendments
8	Safety standard	UL / IEC / MTCTE and NSDTS* certified

[Annexure-V :Eligibility Criteria:](#)

As the Entire bid is planning to select the bidder per zone. The Bid will be evaluated per zone as per following eligibility criteria's.

#	Minimum Requirement	Documentary Proof										
1	<p>1.1 The Sole and each of the Consortium members should be an Indian firm.</p> <p>1.2 The Sole and Lead Bidder (in case of consortium) should be registered under the Companies Act 1956 /2013 or a Partnership Firm registered under Indian Partnership Act, 1932 or a Proprietorship firm or Limited Liability Partnership Firm under Limited Liability Partnership Firm Act 2008 at the time of the bidding</p> <p>1.3 The Sole and Lead Bidder (in case of consortium) should have a registered number of GST, Income Tax / Pan number</p> <p>1.4 The Sole and each of the consortium members should be in operation in India for a period of at least 5 years as on publication of this tender.</p>	<p>a) Copy of Certificate of Incorporation signed by Authorized Signatory of the Bidder or Lead Bidder (in case of Consortium) or A copy of the partnership deed/ instrument of partnership or a Copy of LLP agreement or Registration certificate</p> <p>b) Copy of PAN card</p> <p>c) Copy of GST registration</p>										
	<p>2.1 Sole Bidder should have minimum average annual turnover of at least following values in last Three (3) audited financial years purely from Telecom Services Business (FY 2021-22, FY 2022-23, and FY 2023-24),</p> <table border="1" data-bbox="247 667 747 889"> <thead> <tr> <th>Bidder Participating In</th> <th>Average Annual Turn Over (Rs In Cr)</th> </tr> </thead> <tbody> <tr> <td>1 Zone</td> <td>>= 7 5</td> </tr> <tr> <td>2 Zone</td> <td>>=14 10</td> </tr> <tr> <td>3 Zone</td> <td>>= 24 15</td> </tr> <tr> <td>4 Zone</td> <td>>= 28 20</td> </tr> </tbody> </table>	Bidder Participating In	Average Annual Turn Over (Rs In Cr)	1 Zone	>= 7 5	2 Zone	>=14 10	3 Zone	>= 24 15	4 Zone	>= 28 20	<p>The Sole Bidder For Annual Turnover:</p> <p>a) Copy of audited Balance Sheet, audited Profit & Loss statements for each of the last 3 financial years</p> <p>b) Copy of Certificate from the statutory auditor / Chartered Accountant (CA) clearly specifying the annual turnover for each of the last 3 financial years, i.e. (FY 2021-22, FY 2022-23, and FY 2023-24)</p>
Bidder Participating In	Average Annual Turn Over (Rs In Cr)											
1 Zone	>= 7 5											
2 Zone	>=14 10											
3 Zone	>= 24 15											
4 Zone	>= 28 20											
	<p>2.1 The Sole Bidder must have positive net worth or should be profit-making in last three (3) financial years (i.e. FY 2021-22, FY 2022-23, and FY 2023-24)</p> <p>Note: Turnover considered would be a consolidated turnover of the company i.e. A parent Company can use the turnover of its subsidiaries (100% subsidiary of parent) but a child company cannot use parent company's turnover.</p>	<p>For Positive net worth:</p> <p>a) Certificate from the Statutory Auditor on net worth (i.e. FY 2021-22, FY 2022-23, and FY 2023-24)</p>										

#	Minimum Requirement	Documentary Proof										
3	<p>The Sole Bidder or Lead Bidder in case of a consortium should have demonstrable experience with following:</p> <p>3.1 For Optical Fibre :The Sole Bidder or Lead Bidder in case of a consortium should have experience of Laying, Installation, Testing and Commissioning and O&M of Optical Fibre Cable (Underground or Aerial), Duct and accessories as mentioned below in last 5 years, as on bid submission date:</p> <p>1 Zone: >=1000 500 Kms 2 Zones: >=2000 1000 Kms 3 Zones: >=3000 2000 Kms 4 Zones: >=4000 3000 Kms</p> <p>3.2 For Wireless UBR /Li-Fi links : The Sole Bidder or Lead Bidder in case of a consortium should have Experience of wireless UBR/Li-Fi equipment installation,commissioning or O&M of at least in last 5 years-</p> <table border="1" data-bbox="247 764 999 924"> <thead> <tr> <th>Bidder's Participating In</th> <th>Experience In UBR Links</th> </tr> </thead> <tbody> <tr> <td>1 Zone</td> <td>>= 40 links</td> </tr> <tr> <td>2 Zone</td> <td>>=100 links</td> </tr> <tr> <td>3 Zone</td> <td>>=150 links</td> </tr> <tr> <td>4 Zone</td> <td>>=200 links</td> </tr> </tbody> </table> <p>3.3 For CPE: The Lead Bidder or Consortium member must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of customer premise equipment (CPE) as per below in last 5 years as on bid submission date.</p> <p>Bidder's participating in Experience</p> <p>1 zone >= 600 CPEs 2 zones>= 1200 CPEs 3 zones>= 1800 CPEs 4 zones>= 2400 CPEs</p> <p>For completed projects</p> <ul style="list-style-type: none"> 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. 	Bidder's Participating In	Experience In UBR Links	1 Zone	>= 40 links	2 Zone	>=100 links	3 Zone	>=150 links	4 Zone	>=200 links	<p>The Sole Bidder or Lead Bidder in case of a consortium</p> <ul style="list-style-type: none"> Validated Data from Government sources (DoT /TRAI reports, portal log Etc.) The details of ISP nodes or points of presence with their locations and number of broadband/ leased subscribers. <p>Need to submit WO Copy /LOI/LOA/Contract agreement</p> <p>For completed projects : (WO copy / LOI / LOA contract copy & client completion Certificate), work completion certificate from end client mentioning satisfactory performance & total Km of Fibre and Wireless UBR Links,CPEs with other inventories/Equipment mentioned implemented/managed (satisfactory performance & functionalities implemented may be mentioned separately as a performance certificate from the client) Note:Bidder may submit client certificate of completed Project scope experience (in case of partially completed project) and O&M experience with Work order copy. If required line item wise supporting documents may asked by GFGNL , Bidder</p>
Bidder's Participating In	Experience In UBR Links											
1 Zone	>= 40 links											
2 Zone	>=100 links											
3 Zone	>=150 links											
4 Zone	>=200 links											

#	Minimum Requirement	Documentary Proof
	<ul style="list-style-type: none"> If WO date & Work completion date falls within five (5) years from bid released date(excluding bid released date), it is ok. <p>For ongoing projects</p> <ul style="list-style-type: none"> WO date must be earlier than one (1) year from bid released date(excluding bid released date). <p>Note 1: The Sole Bidder or members of the Consortium, should meet the Technical Capability requirements either on their own or jointly for the works awarded directly by the TSPs, Category-A ISPs, IP-1, Central Government, State Government, Municipal Corporations for Smart City Projects, BharatNet SPVs, PSUs for their own network and not sub-contracted works. However, for installation and commissioning of active nodes, the experience certificate issued by the OEMs for the works awarded by the TSPs/ISPs to the OEMs shall also be considered. The above experience conditions can be met either through single project or multiple projects executed during last 5 years as on date of submission of bid.</p> <p>Note 2: The technical experience for work executed in foreign countries for TSPs or Government shall also be considered.</p>	<p>has to submit accordingly as a part of qualification criteria.</p> <p>For ongoing projects</p> <p>(WO copy / LOI / LOA contract copy),</p> <p>Performance certificate from end client mentioning satisfactory performance & total Km of Fibre, wireless UBR links and CPEs with other inventories/Equipment mentioned implemented by the Sole/lead Bidder(in case of consortium)</p>
4	<p>The Sole/lead Bidder(in case of consortium) & OEM should:</p> <p>4.1 Not have been blacklisted /banned / barred / declared ineligible / declared having dissatisfactory performance by Ministry of Communication or GFGNL or debaring order issued by any government / quasi-government authority in India for supply of materials/ Department of Expenditure (DOE), Ministry of Finance (MOF) covering all central Ministries/ Departments as per provision of OM No.F.1/20/2018-PPD by Department of Expenditure (DoE)/ MoF dated on 2nd Nov 2021/ Central Government / Any State Government / Urban Local Body (ULB) /SmartCity (SPV)/ Supreme Court of India / Any government / PSU in India as on the date of bid submission.</p> <p>4.2 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.</p> <p>4.3 The Sole/lead Bidder(in case of consortium) should have at least one office in Gujarat and preferably support centres/logistics for the entire state. If the Bidder is not having any office in Gujarat, then Bidder should submit a letter of undertaking to open the office in Gujarat within 45 days from the date of issue of work order if he is awarded the work</p> <p>4.4 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 into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified.</p>	<p>An undertaking signed by CEO/ Country Head/ Authorized Signatory of the company to be provided on Non – judicial stamp paper of INR 100/- or such equivalent amount and document duly attested by notary public. (or Self-declaration by the Bidder duly signed and stamped by the authorized signatory.)</p>

#	Minimum Requirement	Documentary Proof
	<p>4.5 There must not be any criminal case booked by any Government authority against the sole/lead Bidder (in case of a consortium) in any court in last 5 years as on bid submission date.</p> <p>4.6 The OEM of the proposed solution should fall under Class-1 Category of Make in India and Trusted Telecom Portal (TTP): Policy regarding input of data pertaining to Non-India Registered (NIR) OEMs</p>	
5	<p>5.1 The Sole Bidder or lead Bidder (in case of consortium) should submit valid letter from each of the OEM (one and only one OEM for each component) - confirming the following: OEM shall ensure that all equipment/components/sub-components being supplied by them shall be supported for entire contract period. If the same is de-supported by the OEM for any reason whatsoever, The Bidder shall replace it with an equivalent or better substitute that is acceptable to Tenderer without any additional cost to the Tenderer and without impacting the performance of the solution in any manner whatsoever.</p> <p>5.2 OEM change may be allowed for below reason only;.</p> <ul style="list-style-type: none"> • OEM change with over and above RFP specifications • Discontinuation of OEM support due to reasonable reasons • In future any OEM change request may be incorporated by tendered with 10% reduction in discovered cost. <p>5.3 Bidder has to ensure the procurement of latest products. GFGNL will disallowing products having manufacturing dates older than a year from the date of submission of the RFP.</p>	<p>Documentary evidences such as Authorization letters, MAF (Annexure XXX) from all OEM/Vendors whose products are being quoted by the Bidder need to be attached in the bid.</p> <p>Copy of valid Mandatory Testing and Certification of Telecommunication Equipment(MTCTE)/ Type Approval Certificate or copy of Application for fresh MTCTE/TAC as applicable from each OEM whose products are being quoted by the Bidder.(only applicable to OFC, duct, radio, rack, media converter, router, switch)</p> <p>Copy of valid Mandatory Testing and Certification of Telecommunication Equipment(MTCTE)/Technical Specification Evaluation Certificate (TSEC) / Type Approval Certificate or copy of Application for fresh MTCTE/TSEC/TAC/AT certificate as applicable from each OEM whose products are being quoted by the Bidder (only applicable to OFC, duct, DWC & radio, GPON OLT & ONT-Functional and technical requirement of ONT Family shall be as per TEC/GR /TX/PON-02/01/ May 2013 or With latest).</p> <p>In order to meet the delivery timelines, the successful Bidder can procure and supply the material from one or more quoted OEMs in any combination.</p>

#	Minimum Requirement	Documentary Proof
		<p>5.2 Self Certification on latest products with dates not older than a year.</p> <p>Note: Bidder should have valid Type Approval Certificate (TAC) from Telecom Engineering Centre (TEC) / WPC, New Delhi or Technical Specification Evaluation Certificate (TSEC) from Quality Assurance Circle, BSNL, Bengaluru, against the respective technical specifications of this RFP. In case any of the quoted models does not have TAC/ TSEC then it should be applied for TSEC to Quality Assurance Circle, BSNL, Bengaluru or to TEC/WPC, New Delhi for the model against the technical specifications, at least one day before the bid submission date. The registration number allotted for the TSEC purpose by Quality Assurance Circle, BSNL, Bengaluru or for TAC purpose by TEC/WPC, New Delhi shall be submitted along with the bid. However, only type approved/TSEC approved products as per above specifications shall be accepted which shall have to be obtained before supply.</p>
6	<p>6.1 The Sole Bidder- and 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</p>	<p>Self-certification from sole and OEMs (Annexure – II), separately.</p>
7	<p>7.1 The Bidder or OEM should submit at least one distinct certification from any of the below Certifications (valid at the time of bidding):</p> <ul style="list-style-type: none"> • CMMI- Process Level 3 or above • ISO 9001:2015 • ISO 27001 for Information Security Management Systems • ISO/IEC 20000 	<p>Copies of valid certificates in the name of the bidding entity</p>

#	Minimum Requirement	Documentary Proof
8	8.1 The Bidder should have at least 50 nos. of technical manpower (on-roll), continuously working for the past one year at different levels as on bid submission date.	<ul style="list-style-type: none"> ● HR Certificate (dully notarized) confirming on the total no resources as per the clause ● Copy of EPF/ ESIC registration document copy of last challan submitted to concerned authority.
9	The Bidder must have one office in Gujarat or in case, Bidder does not have office in Gujarat, Bidder should give undertaking to open office in Gujarat within 45 days from the date of issuance of work order.	Please upload the copies of any two of the following: Property Tax Bill of last year / Electricity Bills of last one year / Telephone Bills of last one year / G.S.T. Registration / Valid Lease Agreement.

Table-0A

Annexure-VI: Technical Qualifications Criteria

#	Criteria	Max. Marks																						
1	<p>The Bidder should have demonstrable experience of planning /service delivery and O&M for at least 5 such projects.</p> <p>-</p> <p>Note: On Annual turnover (With reference to Package A/B eligibility criteria point 4)</p> <p>a) 5 Project: 10 marks b) 6-8 Projects: 15 marks c) 9-10 Projects: 20 marks</p>	20																						
2-1	<p>The Bidder should have average turnover during last 5 audited financial years (2019-20, 2020-21, 2021-22,2022-23 and 2023-24) from Telecom Services Network Service Planning and Delivery.</p> <table border="1"> <thead> <tr> <th>Bidder's Participating In</th> <th>Average Annual Turnover(In Cr)</th> </tr> </thead> <tbody> <tr> <td rowspan="4">1 Zones</td> <td>>=7 Cr to < 8 Cr = 10 1 Marks</td> </tr> <tr> <td>>=8 Cr to < 9 Cr = 12 2 Marks</td> </tr> <tr> <td>>=9 Cr to < 10 Cr = 15 3 Marks</td> </tr> <tr> <td>>=10 Cr = 20 5 Marks</td> </tr> <tr> <td rowspan="4">2 Zones</td> <td>>=14 Cr to < 15 Cr = 10 1 Marks</td> </tr> <tr> <td>>=15 Cr to < 16 Cr = 12 2 Marks</td> </tr> <tr> <td>>=16 Cr to < 17 Cr = 15 3 Marks</td> </tr> <tr> <td>>=17 Cr = 20 5 Marks</td> </tr> <tr> <td rowspan="4">3 Zones</td> <td>>=21 Cr to < 22 Cr = 10 1 Marks</td> </tr> <tr> <td>>=22 Cr to <23 Cr = 12 2 Marks</td> </tr> <tr> <td>>=23 Cr to <24 Cr = 15 3 Marks</td> </tr> <tr> <td>>=24 Cr = 20 5 Marks</td> </tr> <tr> <td rowspan="4">4 Zones</td> <td>>=28 Cr to < 29 Cr = 10 1 Marks</td> </tr> <tr> <td>>=29 Cr to < 30 Cr = 12-2 Marks</td> </tr> <tr> <td>>=30 Cr to < 31 Cr = 15 3 Marks</td> </tr> <tr> <td>>=31 Cr = 20 5 Marks</td> </tr> </tbody> </table>	Bidder's Participating In	Average Annual Turnover(In Cr)	1 Zones	>=7 Cr to < 8 Cr = 10 1 Marks	>=8 Cr to < 9 Cr = 12 2 Marks	>=9 Cr to < 10 Cr = 15 3 Marks	>=10 Cr = 20 5 Marks	2 Zones	>=14 Cr to < 15 Cr = 10 1 Marks	>=15 Cr to < 16 Cr = 12 2 Marks	>=16 Cr to < 17 Cr = 15 3 Marks	>=17 Cr = 20 5 Marks	3 Zones	>=21 Cr to < 22 Cr = 10 1 Marks	>=22 Cr to <23 Cr = 12 2 Marks	>=23 Cr to <24 Cr = 15 3 Marks	>=24 Cr = 20 5 Marks	4 Zones	>=28 Cr to < 29 Cr = 10 1 Marks	>=29 Cr to < 30 Cr = 12-2 Marks	>=30 Cr to < 31 Cr = 15 3 Marks	>=31 Cr = 20 5 Marks	20 5
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3 2	<p>The bidder or Consortium member lead bidder in case of Consortium must have experience of Installation, Configuration, Testing, Commissioning & Maintenance of wireless (unlicensed band radio) & Wireline links as per eligibility criteria section point-6 in last 5 years as on bid submission date.,</p> <table border="1" data-bbox="268 386 1514 797"> <thead> <tr> <th data-bbox="268 386 495 448">Bidder's Participating In</th> <th data-bbox="495 386 1514 448">Experience in Total Customer Links on wireless-UBR or wireline</th> </tr> </thead> <tbody> <tr> <td data-bbox="268 448 495 532">1 Zones</td> <td data-bbox="495 448 1514 532"> >= 40 links to < 60 links = 5 Marks >= 60 links to < 80 links = 10 Marks >= 80 links = 15 Marks </td> </tr> <tr> <td data-bbox="268 532 495 618">2 Zones</td> <td data-bbox="495 532 1514 618"> >= 100 links to <120 links = 5 Marks >=120 links to <140 links = 10 Marks >= 140 links = 15 Marks </td> </tr> <tr> <td data-bbox="268 618 495 704">3 Zones</td> <td data-bbox="495 618 1514 704"> >= 150 links to <170 links = 5 Marks >=170 links to <180 links = 10 Marks >180 links = 15 Marks </td> </tr> <tr> <td data-bbox="268 704 495 797">4 Zones</td> <td data-bbox="495 704 1514 797"> >200 links to < 220 links = 5 Marks >=220 links to <240 links = 10 Marks >=240 links = 15 Marks </td> </tr> </tbody> </table>	Bidder's Participating In	Experience in Total Customer Links on wireless-UBR or wireline	1 Zones	>= 40 links to < 60 links = 5 Marks >= 60 links to < 80 links = 10 Marks >= 80 links = 15 Marks	2 Zones	>= 100 links to <120 links = 5 Marks >=120 links to <140 links = 10 Marks >= 140 links = 15 Marks	3 Zones	>= 150 links to <170 links = 5 Marks >=170 links to <180 links = 10 Marks >180 links = 15 Marks	4 Zones	>200 links to < 220 links = 5 Marks >=220 links to <240 links = 10 Marks >=240 links = 15 Marks	15
Bidder's Participating In	Experience in Total Customer Links on wireless-UBR or wireline											
1 Zones	>= 40 links to < 60 links = 5 Marks >= 60 links to < 80 links = 10 Marks >= 80 links = 15 Marks											
2 Zones	>= 100 links to <120 links = 5 Marks >=120 links to <140 links = 10 Marks >= 140 links = 15 Marks											
3 Zones	>= 150 links to <170 links = 5 Marks >=170 links to <180 links = 10 Marks >180 links = 15 Marks											
4 Zones	>200 links to < 220 links = 5 Marks >=220 links to <240 links = 10 Marks >=240 links = 15 Marks											
3	<p>Rollout commitment Per Zone in First 3 Months(Minimum 2000 Connections) and Per Zone in first 6 Months (Minimum 5000 Connections): Note: The score will be defined based on percentile and this rollout commitment shall be the prime essence of the contract. This commitment may serve as the primary consideration.</p>	20										
4	<p>For Active Network: Overall technical Solution to minimize operational difficulties, higher quality specifications, lesser electricity bills, Space(number of "U" utilization in rack) and minimum number of EMS family. = 10 Marks</p> <p>For Passive Network Components: Better engineering design for overhead fibre, pole, in premises cable routing, for better network uptime and overall safety for network and customer. = 10 Marks</p> <p>Note: The enhanced and better engineering design, higher quality specifications, and power budget proposed here for obtaining higher score shall be part of the contract and deliverables and same shall be diligently applied while making the payments.</p>	20										

5	<p>Presentation:</p> <ul style="list-style-type: none"> i) Rural centric approach and strategy to keep high network uptime: ii) Overall Speedier rollout strategy including quick turnaround for Specific /VIP events connections: iii) Likely challenges to be encountered, mitigation proposed, client references, network uptime manageability, support required ,etc. iv) Additional Offering over and above the ask of RFP without additional charges. 	40
	Total Marks	100

Table-0B

Note: 1

1. Document submitted during technical evaluation is binding to bidder and will be part of final agreement.
2. "Technical bid" will be evaluated only for the Bidders who succeed in Eligibility Criteria.
3. 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.
4. Each Technical Bid will be assigned a technical score out of a maximum of 100 marks. Only those bidders who get a minimum Technical Score of 60% will qualify for the commercial evaluation stage.

Priced BoQ

1. Each bidder must submit Priced BOQ –Annexure A-Table-01, The date of financial bid opening in a sealed envelope.
2. Envelop of only L1 bidder of each package shall be opened and other bidder's envelops shall be returned back to them in received sealed condition only after 180 days from the date of opening of financial bid.
3. All bidder must submit hard copy of Priced BOQ financial bid opening in a sealed envelope.
4. Quantity for each line item in Column "A" to be filled by Bidder.
5. Bidder has to ensure to load the realistic unit rate in price BOQ, bidder should not attempt any overload or under load price/rate in any of the line items as tenderer may place the order based on future requirements. Thus, realistic price is the basic expectations and bidder will be solely responsible on this. Any observations from the tenderer on un necessary price overload or underload may be the ground to initiate for bid rejection.
6. As in the Price Bid BOQ line items are indicative however bidder may add the line item with proper description and unit rate in line item ,i.e. "**Any other Line Items suggested by the Bidder**" in Price BoQ -Annexure-A- Table-01.

Note: All pages of the bid documents must be signed by the authorized signatory of company. In case the bid is signed by the person other than the authorized signatory of company, the bidder should enclose authorization letter from Company Secretary of the company for the officer, who signed the bid.

Annexure: A

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)	
			Services - Active Infrastructure					
1	P2P wireless UBR link(both at PoP and Client end)	Wi-Fi CPE	Installation, configuration, commissioning and acceptance testing of Wi-Fi CPE (customer premise equipment)	No.				
2		P2P	Installation, configuration, commissioning and acceptance testing of point to point UBR radio link including earthing, lightening arrester, clamps, RF & electrical cables etc.	No.				
			Material Supply - Passive Infrastructure					
3		Misc.	Miscellaneous items required at customer location like MCB, electrical cable, earthing cable, PVC pipe, patch cord (optical & Cat 5) etc.	Lot				
			Material Supply - Active Infrastructure					
4		P2P	Point to point UBR radio set including earthing cable, lightening arrester, clamps/fixtures, RF & electrical cables etc.	Each				
5		Wi-Fi CPE	Wi-Fi CPE (customer premise equipment)	Each				
			Any other Line Items					
6		Other	*****		**			
			Electricity Power Budget Consumptions(Notional Value at full load) At PoP/GP					

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)	
7		Power Consumptions	Total notional power electricity power Consumption Rate: At Base Station/GP/PoP End Overall Active devices power consumption in KWH (unit per hour) *(Multiply)Rs 12/- *(Multiply) 24Hour*(Multiply) *365 days*5 Years	LS				
			Services - Active Infrastructure					
8	Point to Multipoint Base Station site radio Setup for overall Full/comprehensive coverage	P2MP Base Station Radio	Installation, configuration, commissioning and acceptance testing of Base Station site radio for point to multipoint radio/s for 360 degree overall full / comprehensive Coverage link including earthing, lightening arrester, clamps, RF & electrical cables,sectorial antennas, etc.(Note: Set is considered for 360 degree comprehensive coverage at PoP end including all necessary antenna/s with other mentioned accessories, if any solution has multiple radios set unit price bidder has to multiply accordingly)	Set				
			Material Supply - Passive Infrastructure					
9		Misc.	Miscellaneous items required at customer location like MCB, electrical cable, earthing cable, compass, PVC pipe, patch cord (optical & Cat 5) etc.	Lot				
			Material Supply - Active Infrastructure					

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)	
10		P2MP Base Station	Base Station site radio for point to multipoint radio link including earthing cable, lightening arrester, clamps/fixtures, RF & electrical cables,Including Sectorial Antenn/s etc.	Set				
11			In Case of Any requirement of PoE Switch because of agregation of multiple radios to meet the eligibility then it shall be the part of Price BoQ	Ea				
		Any other Line Items suggested by Bidder						
12		Other	*****	**				
		Electricity Power Budget Consumptions(Notional Value at full load) At PoP/GP						
13		Power Consumptions	Total notional power electricity power Consumption Rate: At Base Station/GP/PoP End Overall Active devices power consumption in KWH (unit per hour) *(Multiply)Rs 12/- *(Multiply) 24Hour*(Multiply) *365 days*5 Years	LS				
	P2MP wireless UBR at client end radio setup	Services - Active Infrastructure						
14		Wi-Fi CPE	Installation, configuration, commissioning and acceptance testing of Wi-Fi CPE (customer premise equipment)	No.				
15		P2MP Client end Radio	Installation, configuration, commissioning and acceptance testing of Remote Station site radio for point to multipoint radio link including earthing, lightening	Set				

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)
			arrester, clamps, RF & electrical cables etc.				
			Material Supply - Passive Infrastructure				
16		Misc.	Miscellaneous items required at customer location like MCB, electrical cable, earthing cable, compass, PVC pipe, patch cord (optical & Cat 5) etc.	Lot			
			Material Supply - Active Infrastructure				
17		P2MP Client end Radio	Remote Station site radio for point to multipoint radio link including earthing cable, lightening arrester, clamps/fixtures, RF & electrical cables,etc.	Set			
18		Wi-Fi CPE	Wi-Fi CPE (customer premise equipment)	Each			
			Any other Line Items suggested by Bidder				
19		Other	*****	**			
			Services - Passive Infrastructure for wireless link				
20	3 Mtr Wall Mount		Preparation of earthing pit for chemical earthing including supply of all required material for earthing & successfully achieving desired earth value as per RFP	Each			
21			Installation of 3 mtr wall mount pole including required civil work & material required for same (excluding pole)	No.			
			Material Supply - Passive Infrastructure				

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)	
22			3 mtr pole including all accessories	No.				
			Any other Line Items suggested by Bidder					
23		Other	*****	**				
			Services - Passive Infrastructure for wireless link					
24	6Mtr to 12 Mtr(6/9/12mtr) RTT/GBT/Mast	100	Preparation of earthing pit for chemical earthing including supply of all required material for earthing & successfully achieving desired earth value as per RFP	Each				
25		30	Installation of 6 mtr RTT/GBT/Mast including required RCC / foundation work & material required for same (excluding pole)	No.				
26		35	Installation of 9 mtr RTT/GBT/Mast including required RCC / foundation work & material required for same (excluding pole)	No.				
27		35	Installation of 12 mtr RTT/GBT/Mast including required RCC / foundation work & material required for same (excluding pole)	No.				
				Material Supply - Passive Infrastructure				
28		30	6 mtr RTT/GBT/Mast including all accessories	No.				
29		35	9 mtr RTT/GBT/Mast including all accessories	No.				
30		35	12 mtr mast/RTT/GBT/Mast including all accessories	No.				

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)
			Services - Passive Infrastructure for Structural aerial OFC laying				
31	Aerial Pole		Aerial cable laying on existing pole / new pole including required accessories	No.			
			Installation of new pole	No.			
			Material Supply - Passive Infrastructure				
32			Pole for aerial Connectivity including all accessories	No.			
			Services - Passive Infrastructure for wireless link				
33	>12 Mtr(More than 12 Mtr) GBT/Mast/RTT	100	Preparation of earthing pit for chemical earthing including supply of all required material for earthing & successfully achieving desired earth value as per RFP	Each			
34		90	Installation of > 12 mtr & <= 24 mtr mast including required RCC / foundation work & material required for same (excluding pole)	No.			
35		10	Installation of > 24 mtr mast including required RCC / foundation work & material required for same (excluding pole)	No.			
			Material Supply - Passive Infrastructure				
36		25	15 mtr GBT/Mast/RTT including all accessories	No.			
37		25	18 mtr GBT/Mast/RTT including all accessories	No.			
38		20	21 mtr GBT/Mast including all accessories	No.			

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)	
39		20	24 mtr GBT/Mast including all accessories	No.				
40		5	27 mtr GBT/Mast including all accessories	No.				
41		5	30 mtr GBT/Mast including all accessories	No.				
			Material Supply - Active Infrastructure					
42	Li-Fi / FSO link upto 5Km		Point to point Li-Fi / FSO link upto 5 Km set including earthing cable, lightening arrester, clamps/fixtures, optical patch cord & electrical cables etc. including Installation, configuration, commissioning and acceptance testing of link including suitable height of pole/tower/mast/RTT	Each				
43			Wi-Fi CPE (customer premise equipment)	Each				
			Services - Active Infrastructure					
44				SITC and acceptance of Point to point Li-Fi / FSO link upto 5 Km set including earthing cable, lightening arrester, clamps/fixtures, optical patch cord & electrical cables etc. including Installation, configuration, commissioning and acceptance testing of link including suitable height of pole/tower/mast/RTT	Each			
45				Installation, configuration, commissioning and acceptance testing of Wi-Fi CPE (customer premise equipment)	No.			
			Services - Passive Infrastructure					

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)
46			Preparation of earthing pit for chemical earthing including supply of all required material for earthing & successfully achieving desired earth value as per RFP	Each			
			Electricity Power Budget Consumptions(Notional Value at full load) At PoP/GP				
47			Total notional power electricity power Consumption Rate: At Base Station/GP/PoP End Overall Active devices power consumption in KWH (unit per hour) *(Multiply)Rs 12/- *(Multiply) 24Hour*(Multiply) *365 days*5 Years	LS			
			Material Supply - Active Infrastructure				
48	Li-Fi / FSO link More than 5Km		Point to point Li-Fi / FSO link More than 5 Km set including earthing cable, lightening arrester, clamps/fixtures, optical patch cord & electrical cables etc. including Installation, configuration,commissioning and acceptance testing of link including suitable height of pole/tower/mast/RTT	Each			
49			Wi-Fi CPE (customer premise equipment)	Each			
			Services - Active Infrastructure				

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)	
50			SITC and acceptance of Point to point Li-Fi / FSO link upto 5 Km set including earthing cable, lightening arrester, clamps/fixtures, optical patch cord & electrical cables etc. including Installation, configuration, commissioning and acceptance testing of link including suitable height of pole/tower/mast/RTT	Each				
51			Installation, configuration, commissioning and acceptance testing of Wi-Fi CPE (customer premise equipment)	No.				
			Services - Passive Infrastructure					
52			Preparation of earthing pit for chemical earthing including supply of all required material for earthing & successfully achieving desired earth value as per RFP	Each				
53			Electricity Power Budget Consumptions(Notional Value at full load) At PoP/GP Total notional power electricity power Consumption Rate: At Base Station/GP/PoP End Overall Active devices power consumption in KWH (unit per hour) *(Multiply)Rs 12/- *(Multiply) 24Hour*(Multiply) *365 days*5 Years		LS			
	VIP/Ad-Hoc Events On wireline		Any other Line Items suggested by Bidder					
54		Other	*****	**				
			Any other Line Items suggested by Bidder					

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)	
55	VIP/Ad-Hoc Events On wireless upto 6 Mtr	Other	*****	**				
	VIP/Ad-Hoc Events On wireless above 6 Mtr		Any other Line Items suggested by Bidder					
56	VIP/Ad-Hoc Events On wireless above 6 Mtr	Other	*****	**				
	Wireline-12F UG		Services - Passive Infrastructure for underground OFC laying					
57			Excavation of trench with 1 Mtr UG depth including HDPE-PLB duct laying, backfilling, compaction, reinstatement after laying of HDPE-PLB pipe and installation of protection mechanism (DWC pipe, RCC half round pipe etc. for the cases of low depth as per RFP)	Mtr				
58			Horizontal directional drilling including duct pulling	Mtr				
59			Manual mauling / boring including duct pulling	Mtr				
60			OFC blowing in duct / pulling of any size of cable with size of less than or equal to 12F	Mtr				
61			Installation of MH / HH	No.				
62			Installation of route indicator	No.				
				Services - Passive Infrastructure				
63				Splicing of fibre core with other fibre core including cable preparation of both cables and acceptance testing	Each fiber joint			

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)
64			Installation of compass (WSC) for fibre termination including splicing of up to 12 fibre cores with pigtails and acceptance testing	No.			
65			Installation of DWC pipe at / inside customer premise	Mtr			
66			Installation of PVC pipe at / inside customer premise	Mtr			
67			Preparation of earthing pit for chemical earthing including supply of all required material for earthing & successfully achieving desired earth value as per RFP	Each			
			Services - Active Infrastructure				
68			Installation, configuration, commissioning and acceptance testing of a pair of Optical to Ethernet converter(s)	Pair			
69			Installation, configuration, commissioning and acceptance testing of Wi-Fi CPE (customer premise equipment)	No.			
			Material Supply - Passive Infrastructure				
70			Optical fibre cable - 12F armoured	Mtr			
71			HDPE - PLB duct	Mtr			
72			MH / HH (joint / loop chamber)	No.			
73			Route indicator	No.			
74			DWC pipe	Mtr			
75			RCC half round pipe	Mtr			

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)
76			Miscellaneous items required at customer location like MCB, electrical cable, earthing cable, compass, PVC pipe, patch cord (optical & Cat 5) etc.	Lot			
			Material Supply - Active Infrastructure				
77			Pair of Optical to Ethernet converter(s) (1 no. OtoE + 1 no. EtoO)	Pair			
78			Wi-Fi CPE (customer premise equipment)	Each			
			Any other Line Items suggested by Bidder				
79		Other	*****	**			
	Wireline-12F Structural Aerial		Services - Passive Infrastructure for Structural aerial OFC laying				
80			Aerial cable laying on existing pole / new pole including required accessories	Mtr			
81			Installation of new pole for structural Aerial Cabling	No.			
			Services - Passive Infrastructure				
82			Splicing of fibre core with other fibre core including cable preparation of both cables and acceptance testing	Each fiber joint			
83			Installation of compass (WSC) for fibre termination including splicing of up to 12 fibre cores with pigtailed and acceptance testing	No.			
84			Installation of DWC pipe at / inside customer premise	Mtr			

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)	
85			Installation of PVC pipe at / inside customer premise	Mtr				
86			Preparation of earthing pit for chemical earthing including supply of all required material for earthing & successfully achieving desired earth value as per RFP	Each				
		Services - Active Infrastructure						
87			Installation, configuration, commissioning and acceptance testing of a pair of Optical to Ethernet converter(s)	Pair				
88			Installation, configuration, commissioning and acceptance testing of Wi-Fi CPE (customer premise equipment)	No.				
		Material Supply - Passive Infrastructure						
89			Optical fibre cable - 12F ADSS Aerial	Mtr				
90			DWC pipe	Mtr				
91			New pole for aerial cable installation	No.				
92			Miscellaneous items required at customer location like MCB, electrical cable, earthing cable, compass, PVC pipe, patch cord (optical & Cat 5) etc.	Lot				
		Material Supply - Active Infrastructure						
93			Pair of Optical to Ethernet converter(s) (1 no. OtoE + 1 no. EtoO)	Pair				
94			Wi-Fi CPE (customer premise equipment)	Each				
		Any other Line Items suggested by Bidder						

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)	
95		Other	*****	**				
			Services - Passive Infrastructure					
96	LAN upto 8 user points		Installation of structural Cat 6 cable including required cabling ,accessories, connector etc.	Mtr				
97			Installation of PVC pipe at / inside customer premise	Mtr				
			Material Supply - Passive Infrastructure					
98			Cat 6 cable including required accessories,connector etc.	Mtr				
99			PVC pipe at / inside customer premise	Mtr				
				Services - Passive Infrastructure				
100	LAN More than 8 user points		Installation of structural Cat 6 cable including required cabling ,accessories, connector etc.	Mtr				
101			Installation of PVC pipe at / inside customer premise	Mtr				
			Material Supply - Passive Infrastructure	Material Supply - Passive Infrastructure				
102			Cat 6 cable including required accessories,connector etc.	Mtr				
103			PVC pipe at / inside customer premise	Mtr				
				Services - Passive Infrastructure				
	6U Rack	Services - Passive Infrastructure	Services - Passive Infrastructure					

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)
104			Installation of 6U wall mounted rack including supply of electrical cable for power connection, MCB and energizing the rack with electrical power	No.			
		Material Supply - Passive Infrastructure	Material Supply - Passive Infrastructure				
105			6U wall mounted rack including fan, power strip & cable manager	No.			
	3U Rack	Services - Passive Infrastructure	Services - Passive Infrastructure				
106			Installation of 3U wall mounted rack including supply of electrical cable for power connection, MCB and energizing the rack with electrical power	No.			
		Material Supply - Passive Infrastructure	Material Supply - Passive Infrastructure				
107			3U wall mounted rack including fan, power strip & cable manager	No.			
	1U Cantilever Shelves	Services - Passive Infrastructure	Services - Passive Infrastructure				

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)
108			Installation of 1U Cantilever Shelves wall mounted rack including supply of electrical cable for power connection, MCB and energizing the rack with electrical power	No.			
		Material Supply - Passive Infrastructure	Material Supply - Passive Infrastructure				
109			1U Cantilever Shelves wall mounted rack including , power strip & cable manager	No.			
		Material Supply - Active Infrastructure	Material Supply - Active Infrastructure				
110	L2 Switch - 8 Ports		CPE (customer premise equipment) L2 manageable switch – 8 ports	No.			
		Service - Active Infrastructure	Service - Active Infrastructure				
111			Installation, Testing, Commissioning and acceptance of CPE (customer premise equipment) L2 manageable switch – 8 ports	No.			
		Material Supply - Active Infrastructure	Material Supply - Active Infrastructure				
	L2 Switch - 24 Ports	Material Supply - Active Infrastructure	Material Supply - Active Infrastructure				

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)
112			CPE (customer premise equipment) L2 manageable switch – 24 ports	No.			
		Service - Active Infrastructure	Service - Active Infrastructure				
113			Installation, Testing, Commissioning and acceptance of CPE (customer premise equipment) L2 manageable switch – 24 ports	No.			
	Mini OLT	Material Supply - Active Infrastructure	Material Supply - Active Infrastructure				
114			Mini OLT 4 Port OLT including all accessories	No.			
		Service - Active Infrastructure	Service - Active Infrastructure				
115			Installation, Testing, Commissioning and acceptance of Mini OLT	No.			
		Any other Line Items suggested by Bidder	Any other Line Items suggested by Bidder				
116		Other	*****	**			
		Electricity Power Consumptions	Electricity Power Budget Consumptions (Notional Value at full load) At PoP/GP				

Sr. No.	Financial Criteria Category	Type	Description	UoM	Unit Price (A)	Quantity (B)	Amount (Rs.) (Excluding Tax) (C=A*B)
117		Power Consumptions	Total notional power electricity power Consumption Rate: At Base Station/GP/PoP End Overall Active devices power consumption in KWH (unit per hour) *(Multiply)Rs 12/- *(Multiply) 24Hour*(Multiply) *365 days*5 Years	LS			
	ONT From Mini OLT	Material Supply - Active Infrastructure	Material Supply - Active Infrastructure				
118			ONT at customer end including all accessories	No.			
		Service - Active Infrastructure	Service - Active Infrastructure				
119			Installation, Testing, Commissioning and acceptance of ONT /CPE	No.			
		Any other Line Items suggested by Bidder	Any other Line Items suggested by Bidder				
120		Other	*****		**		

Table - 01

Annexure-VII:Financial Criteria

1. Below mentioned format is for financial bid and Same table would be available for each zone on (n)procure website.
2. Bidder is requested to refer Eligibility -Selection criteria & allotment of work.

A. Financial Bid Format for each zone:

#	Description	Unit Price Should be match with	UoM	Quantity (A)	Unit Rate (excluding tax) (Rs./-) (B)	Total Amount (Rs./-) (C=A*B) (Excluding Tax)
1	Wireless: SITC(Supply, Installation,Testing and Commissioning) and acceptance of P2P wireless UBR link(both at PoP and Client end) including termination of Wi-Fi router CPE at last mile customer.This includes all types of integration of all necessary wireless accessories including but not limited to , antenna,elements of networking, Rack, earthing, , clamps, RF & electrical and networking cables/other accessories,configuration and services provisioning, testing,etc.	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 1 to 7	Ea	1313		

#	Description	Unit Price Should be match with	UoM	Quantity (A)	Unit Rate (excluding tax) (Rs./-) (B)	Total Amount (Rs./-) (C=A*B) (Excluding Tax)
2	<p>Wireless: SITC(Supply,Installation, Testing and Commissioning) and acceptance of Point to Multipoint Base Station site radio including antenna/s for overall Full/comprehensive coverage including but not limited to,elements of networking,earthing, clamps, RF and electrical and networking cables/other accessories,configuration and services provisioning,testing, etc.</p> <p>Note: The Bidder is required to provide minimum 1 Gbps overall throughput at P2MP base station with 360 degree comprehensive coverage with single or combination of multiple radio with full stability of tower/pole/RTT/Mast to with stand weight/heavier load for public safety and optimized power and radio appropriate backplane capacity.</p>	<p>Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 8 to 13</p>	Set	656		
3	<p>Wireless: SITC(Supply, Installation,Testing and Commissioning) and acceptance of P2MP wireless UBR at client end radio including antenna, all types of integration of all necessary wireless accessories including but not limited to , elements of networking, earthing, , clamps, RF & electrical and networking cables/other accessories,configuration and services provisioning, testing,etc. and including</p>	<p>Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 14 to 19</p>	Ea	1968		

#	Description	Unit Price Should be match with	UoM	Quantity (A)	Unit Rate (excluding tax) (Rs./-) (B)	Total Amount (Rs./-) (C=A*B) (Excluding Tax)
	termination of Wi-Fi CPE/ router at last mile					
4	3 Mtr Wall Mount SITC (Supply, Installation,Testing and Commissioning) and acceptance with all types of civil and service activities including but not limited to, earthing, lightening arresters, clamps and all other accessories(earthquake resistance,150 KMPH wind speed support, weather proof structure, lighting arrester with proper earthing will be must)	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 20 to 23	Ea	2100		

#	Description	Unit Price Should be match with	UoM	Quantity (A)	Unit Rate (excluding tax) (Rs./-) (B)	Total Amount (Rs./-) (C=A*B) (Excluding Tax)
5	<p>6Mtr to 12 Mtr(6/9/12mtr) RTT/GBT/Mast SITC(Supply, Installation,Testing and Commissioning) and acceptance with all types of civil and service activities including but not limited to,Foundation, earthing, lightening arresters, clamps and all other accessories, earthquake resistance,150 KMPH wind speed support, weather proof structure, Lighting arrester, aviation lamp, with proper earthing will be must.</p> <p>Note: i) For Wireless connectivity at GP/PoP end single tower will be use (based on the site Conditions /availability)for P2P as well as P2MP Connectivity or minimum 3 / 4 P2P connectivity can be explore, bidder has to take proper safety precautions and plan the RTT/Pole/Mast at GP based on the site feasibility With Appropriate loading capacity for the public and link safety by considering weight of the quoted radio/ multiple radios, in case of 360 degree coverage.</p>	Bidder has to quote the rate of 6 Mtr height and based on the actual installation and upon increase in any height beyond 6 Mtr up to 12 Mtr will be paid per meter in proportion to increase in height.	Ea	315		
6	<p>Pole for Aerial Connectivity SITC(Supply, Installation,Testing and Commissioning) and acceptance with all types of foundation activity,structure stability with 150 KMPH wind speed support,Foundation,safety standards,</p>	Unit Price Should be match with Total Sum of Price bid line items unit price	Ea	50		

#	Description	Unit Price Should be match with	UoM	Quantity (A)	Unit Rate (excluding tax) (Rs./-) (B)	Total Amount (Rs./-) (C=A*B) (Excluding Tax)
	services/labour activities for structure aerial connectivity,etc.	From Sr. No. 31 to 32				
7	<p>>12 Mtr(More then 12 Mtr) GBT/Mast/RTT SITC(Supply, Installation,Testing and Commissioning) and acceptance with all types of civil and service activities including but not limited to,Foundation, earthing, lightening arresters, clamps and all other accessories, earthquake resistance,150 KPMPH wind speed, weather proof structure, Lighting arrester, aviation lamp, lighting arrester with proper earthing will be must.</p> <p>Note: i) For Wireless connectivity at GP/PoP end single tower will be use (based on the site Conditions /availability)for P2P as well as P2MP Connectivity or minimum 3 / 4 P2P connectivity can be explore, bidder has to take proper safety precautions and plan the RTT/Pole/Mast at GP based on the site feasibility With Appropriate loading capacity for the public and link safety by considering weight of the quoted radio/ multiple radios, in case of 360 degree coverage.</p>	Bidder has to quote the rate of 15 Mtr height and based on the actual installation and upon increase in any height beyond 15Mtr up to 30 Mtr will be paid per meter in proporation to increase in height.	Ea	2200		

#	Description	Unit Price Should be match with	UoM	Quantity (A)	Unit Rate (excluding tax) (Rs./-) (B)	Total Amount (Rs./-) (C=A*B) (Excluding Tax)
	ii) Bidder has to quote the rate of 15 Mtr height and based on the actual installation and upon increase in any height beyond 15Mtr up to 30 Mtr will be paid per meter in proportion to increase in height.					
8	Wireless: SITC(Supply, Installation,Testing and Commissioning) and acceptance of point to point Li-Fi / FSO link upto 5Km including tower/pole/mast/RTT earthing cable, lightening arrester, clamps/fixtures, optical /cat-6 patch cord & electrical cables etc includes Wi-Fi router at last mile customer.	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 42 to 47	Ea	18		
9	Wireless: SITC(Supply, Installation,Testing and Commissioning) and acceptance of point to point Li-Fi / FSO link More than 5Km including tower/pole/mast/RTT earthing cable, lightening arrester, clamps/fixtures, optical patch cord & electrical cables etc includes Wi-Fi router at last mile customer.	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 48 to 53	Ea	18		
10	VIP/Ad-Hoc Events: Establishment(SITC(Supply, Installation, Testing and Commissioning)) acceptance, Service(labour/transportation, etc.) and recovery(dismantle) Cost to maintain Tempory Connectivity during VIP / Major/ Ad-Hoc Events for Wireline on Fibre including Wi-Fi CPE router at last mile customer.	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 54	Ea	200		

#	Description	Unit Price Should be match with	UoM	Quantity (A)	Unit Rate (excluding tax) (Rs./-) (B)	Total Amount (Rs./-) (C=A*B) (Excluding Tax)
11	VIP/Ad-Hoc Events: Establishment SITC(Supply, Installation,Testing and Commissioning)) acceptance, Service(labour/transportation, etc.) and recovery(dismantle) Cost to maintain Tempory Connectivity during VIP / Major / Ad-Hoc Events For Wireless (upto 6 mtr (Factorial)) including Wi-Fi CPE router at last mile customer.	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 55	Ea	200		
12	VIP/Ad-Hoc Events: Establishment(SITC(Supply, Installation,Testing and Commissioning))acceptance, Service(labour/transportation, etc.) and recovery(dismantle) Cost to maintain Tempory Connectivity during VIP / Major / Ad-Hoc Events For Wireless (above 6mtr (Factorial)) including Wi-Fi CPE router at last mile customer.	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 56	Ea	100		

#	Description	Unit Price Should be match with	UoM	Quantity (A)	Unit Rate (excluding tax) (Rs./-) (B)	Total Amount (Rs./-) (C=A*B) (Excluding Tax)
13	<p>Wireline: SITC(Supply, Installation,Testing and Commissioning) ,acceptance,digging,laying,pulling 12F UG OFC with 1mtr depth including junction point of Splicing activities, MH,HDPE-PLB duct laying, backfilling, compaction, reinstatement after laying of HDPE-PLB pipe and installation of protection mechanism (DWC pipe, on-site PCC etc. for the cases of low depth as per RFP) ,Installation of compass (WSC) for fibre termination including splicing of up to 12 fibre cores with pigtails at customer end,CPE(MC/ONT/etc) including termination of Wi-Fi router at last mile customer including the earthing of network elements wherever applicable. This includes all types of integration of wireline accessories of networking and electrical cables/other accessories.</p>	<p>Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 57 to 79</p>	Mtr	1,05,000		

#	Description	Unit Price Should be match with	UoM	Quantity (A)	Unit Rate (excluding tax) (Rs./-) (B)	Total Amount (Rs./-) (C=A*B) (Excluding Tax)
14	Wireline: SITC(Supply, Installation,Testing and Commissioning),acceptance ,Laying,pulling 12F Structural Aerial OFC including Splicing activities laying, compaction, installation of protection mechanism (as per RFP) ,CPE including termination of Wi-Fi router at last mile customer including earthing of all equipments.This includes all types of integration of wireline accessories of networking and electrical cables/other accessories.Installation of compass (WSC) for fibre termination including splicing of up to 12 fibre cores with pigtails at customer end,CPE(MC/ONT/etc) including termination of Wi-Fi router at last mile customer including the earthing of network elements wherever applicable.This includes all types of integration of wireline accessories of networking and electrical cables/other accessories.	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 80 to 95	Mtr	15,00,000		
15	Structured CAT 6 LAN cabling work (including Supply, installation and Termination ,testing,acceptance of CAT6 cables, PVC flexible Pipes and accessories,Conduiting, RJ45 termination at work station along with I/O boxes, Face Plates, Casing and Capping, conduits, RJ-	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 96 to 99	Per User End Points	1000		

#	Description	Unit Price Should be match with	UoM	Quantity (A)	Unit Rate (excluding tax) (Rs./-) (B)	Total Amount (Rs./-) (C=A*B) (Excluding Tax)
	45/RJ-11 Connector and configuring node in network) upto 8 user end points					
16	Structured CAT 6 LAN cabling work (including Supply, installation and Termination,testing of CAT6 cables, PVC flexible Pipes and accessories, RJ45 termination at work station along with I/O boxes, Face Plates, Casing and Capping, conduits, RJ-45/RJ-11 Connector and configuring node in network) More than 8 user end points	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 100 to 103	Per User End Points	1000		
17	Supply, Installation, commissioning and acceptance testing of CPE of 6U wall mounted rack including supply of electrical cable for power connection, MCB and energizing the rack with electrical power	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 104 to 105	Ea	800		
18	Installation of 3U wall mounted rack including supply of electrical cable for power connection, MCB and energizing the rack with electrical power	Unit Price Should be match with Total Sum of Price bid line items unit price	Ea	7500		

#	Description	Unit Price Should be match with	UoM	Quantity (A)	Unit Rate (excluding tax) (Rs./-) (B)	Total Amount (Rs./-) (C=A*B) (Excluding Tax)
		From Sr. No. 106 to 107				
19	SITC of 1U Cantilever Shelves / 1U cantilever shelf including supply of electrical cable for power connection, MCB required to energizing the equipment with electrical power cable.	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 108 to 109	Ea	7500		
20	Supply, Installation, configuration, Testing, commissioning and acceptance testing of CPE (customer premise equipment – L2 manageable switch)including integration of all accessories and earthing of equipments - CPE (customer premise equipment) L2 manageable switch – 8 ports*	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 110 to 111	Ea	400		
21	Supply, Installation, configuration, Testing, commissioning and acceptance testing of CPE (customer premise equipment – L2 manageable switch)including integration of all accessories and earthing of equipments - CPE (customer premise equipment) L2 manageable switch – 24 ports*	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 112 to 113	Ea	300		
22	Supply, Installation, Testing, configuration, commissioning and acceptance testing of Mini OLT* fully loaded with all accessories	Unit Price Should be match with	Ea	1000		

#	Description	Unit Price Should be match with	UoM	Quantity (A)	Unit Rate (excluding tax) (Rs./-) (B)	Total Amount (Rs./-) (C=A*B) (Excluding Tax)
		Total Sum of Price bid line items unit price From Sr. No. 114 to 117				
23	SITC and acceptance of Electronics ONT with all required accessories and cabling required to enable the services	Unit Price Should be match with Total Sum of Price bid line items unit price From Sr. No. 118 to 120	Ea	4000		
Total (INR)						

Table - 02

Note:

- Bidder has to ensure to load the realistic unit rate in price BOQ-Table-01, bidder should not attempt any overload or under load price/rate in any of the line items as tenderer may place the order based on future requirements. Thus, realistic price is the basic expectations and bidder will be solely responsible on this. **Bidder has to ensure to match the unit price of Table-02 with related line items or formfactors mentioned in 3rd column of Table-02,i.e. “Unit**

Price Should be match with “ from Table-01. Any observations from the tenderer on unnecessary price overload or underload or mismatch on ask may be the ground to initiate for bid rejection.

- The above-mentioned quantities are Notional value, payment will be given based on the actual feasibility and execution of the work.
- L1 will be selected based on the lowest price discovered in Financial bid of Table-02 of Total(A0).
- Quantities mentioned in the RFP and Table-02 are indicative in nature and for price discovery. GFGNL has the right to issue the work order as per the actual requirement. The payment will be made on actual basis and the rate discovery in Table-02.
- As this is a rate contract wherein the specified scope/quantity serves primarily to define the rate. The Bidder that is will be granted work orders for any additional sites, the cost of which will be aligned with the rate initially quoted in this Request for Proposal (RFP). The issuance of these work orders will be contingent upon meeting eligibility criteria and the Bidder's performance evaluation. Moreover, it will adhere to the price, and the terms and conditions presented within the original contract.
- CAMC (comprehensive Annual Maintenance Charges) charges for five (5) years and extended further two (2) years will be part of this financial bid. Warranty or support period will start from the date of successful completion of 100% Go-live/“Final Acceptance test -FAT”.
- For financial evaluation, Price excluding Tax shall be taken into consideration.
- Bidder must ensure that the equipment to be supplied will not be End of Life and End of Support in next 7 years. In case proposed product goes end of life during contract duration, then Bidder will provide devices of equivalent or higher configuration to tenderer without any additional cost.
- The GFGNL is not responsible for any assumptions or judgments made by the Bidder for arriving at any type of costing. The GFGNL at all times will benchmark the performance of the Bidder to the RFP and other documents circulated to the Bidder and the expected service levels as mentioned in these documents. In the event of any deviations from the requirements of these documents, the Bidder must make good the same at no extra costs to the GFGNL, in order to achieve the desired service levels as well as meeting the requirements of these documents. The GFGNL shall not be responsible for any assumptions made by the Bidder and the GFGNL’s interpretation will be final.
- The taxes shall be mentioned separately and will be applicable as actual as per the time of billing.
- All invoices should be raised from Gujarat.

- The quantity mentioned above for all line items is notional for evaluation purpose only. Actual payment will be made to Bidder(s) based on number of locations/sites awarded by GFGNL and successfully connected by Bidder & certified by GFGNL.
- Quoted rates will be valid for 5 years from the date of issuance of Work Order which can be mutually extended further for next 2 years based on performance and mutual understanding with 8% of increase in rate of each line items at the same terms & condition.
- Any services which forms a part of the Project Scope that is not explicitly mentioned in scope of work as excluded would form part of this RFP, and the Bidder is expected to provide the same at no additional cost to the tenderer. The Bidder needs to consider and envisage all services that would be required in the Scope and ensure the same is delivered to the GFGNL. The GFGNL will not accept any claim of the Bidder at a later date for omission of services on the pretext that the same was not explicitly mentioned in the RFP.
- **For line item:5:** on “6Mtr to 12 Mtr(6/9/12mtr) RTT/GBT/Mast “
 - I. Bidder has to quote the rate of 6 Mtr height and based on the actual installation and upon increase in any height beyond 6Mtr up to 12 Mtr will be paid per meter in proportion to increase in height per meter.
- **For line item:7:** on “>12 Mtr(More then 12 Mtr) GBT/Mast/RTT “
 - II. Bidder has to quote the rate of 15 Mtr height and based on the actual installation and upon increase in any height beyond 15Mtr up to 30 Mtr will be paid per meter in proportion to increase in height. Per meter.
Any Manipulation of this, bidder quote factor OEM/SI shall be viewed seriously.

Payment Terms:

1. For Wireless P2MP(Point to Multipoint) Base Station:

The bidder must optimize the hardware (radio & Antennas) based on the feasibility of the site.
Regarding payment terms, for the sake of uniformity, a financial rate for Base station unit is as "Set".

Case:1 If any OEM/SI provide solution to deploy multiple radios with approximate capacity of 3 or 4 number of minimum 500/600 Mbps radio's with sectorial antennas to cover overall - comprehensive coverage, then in this case, with atleast ~120deg coverage than payment of line item-02 will be adjusted by 40% .For the first radio payment will be released only after end to end connectivity visibility in NMS including atleast one client end link implementation with valid documentation submission. after 2nd radio deployment with additional 120 degree and discovery in NMS including atleast one client end

link next 30% will be released and later after 3rd radio implementation with additional ~120 deg coverage then remaining 30% will be released after base radio including customer end to end link will be visible in NMS (as quoted supply is at 50% of P2MP capacity 1G, required 3 baseband to cover 360deg coverage)The Base station deploy at GP end only.This all with respect to overall submission of valid documentations.

Case:2 If any OEM/SI provide solution to deploy single radio with 360 degree coverage with overall throughput of 1Gbps, payment will be given for 100% entire line item once the link will be visible in NMS including end to end customer link visibility and submission of valid documentations.

2. For Wireline :

As In the Price Bid format, Wireline Solution (Aerial and UG) has the line item of Media Converter and Last mile Wi-Fi CPE. And a separate line item of Mini OLT and Wi-Fi ONT. Hence, GFGNL has rights during payment, based on the solution implemented related line items will be replace during the payment based on field feasibility, execution, Inspections, Visibility in NMS and submission of valid documentations by the bidder. And Bidder has to raise the invoice accordingly.

Bid Evaluation:

- I. All the technically qualified Bidders will be notified to participate in the Financial Bid opening process.
- II. The evaluation of the bid will be considered of only those bidders who,
 - a. have furnished bid fee and security deposit of prescribed amount as per the tender.
 - b. meet the eligibility criteria as mentioned in the RFP document and have furnished documentary proof in respect of the same.
- III. The bids of the non-conforming bidders to above shall be rejected without evaluation.
- IV. The proposal shall be evaluated in three (3) stages. In Stage – 1, EMD & DD shall be verified. Bidders whose EMD & DD are valid will be considered for Stage – 2. In Stage – 2, technical documents will be verified. Only those bidders who will be qualified in Stage – 1 & 2 will be eligible for Stage – 3 for Technical evaluation presentation, those who will be qualify on stage-3 they will be eligible for stage-4 i.e. Financial evaluations.
- V. The evaluation of proposals shall be on the principle of the lowest bid (L1) based on quoted rates as per the financials submitted as part of the bid.
- VI. Agency/Bidder is required to furnish the commercial quote as mentioned under financial bid format. Revelation of

commercial details(PriceBid BOQ/ Financial Bid) elsewhere in the bid documents other than the specified price bid format shall lead to disqualification of the bid.

- VII. GFGNL reserves the right to discard bids which are deviating from the specified formats mentioned in the RFP.
- VIII. The Financial bids of the technically qualified Bidders shall then be opened on the notified date and time and reviewed to determine whether the financial bids are substantially responsive. Bids that are not substantially responsive are liable to be disqualified at Authority's/committee's discretion.
- IX. Financial Bids that are not as per the format provided in the RFP shall be liable for rejection.
- X. The bid price shall include all taxes and levies and shall be in Indian Rupees. GFGNL shall not have any liability of paying any taxes (including GST)/charges/levies as part of this project. The bidder has to quote their Price duly factoring all these costs.
- XI. Final evaluation will happen on QCBS (60:40), standard QCBS methodology shall be adopted.

Process for Bidder's Final Scoring based on QCBS:

The financial scores (Fs) of the other Financial Proposals will be computed as per the formula for determining the financial scores given below: $F_s = 100 \times F_{low} / F_b$,

Where, F_s = Normalized financial score for the bidder under consideration
 F_b = Commercial quote for the bidder under consideration ,
 F_{low} = Commercial quote of the lowest evaluated financial bid criteria

60% weightage will be given to "Technical Qualification derived from Technical Qualification Criteria -Table 0B " and 40% weightage will be given to Financial Bid "Total -02".

In order to have a comprehensive assessment of the Bid price and the Quality of each bid:

$$\text{Bidder Final Score (BFS)} = [((T_b/T_{high}) \times 100 \times 0.6) + ((F_{low}/F_b) \times 100 \times 0.4)]$$

T_b = The total marks obtained by the bidder against "Technical Qualification" criteria

T_{high} = The highest mark scored against "Technical Qualification" criteria among all responsive bids

F_b = Evaluated Bid Price of the bidder

F_{low} = The lowest of the evaluated bid prices among the responsive bids

where, Note:

- I. The Evaluated **Bidder Final Score (BFS)** shall be considered up to two decimal places.
- II. Contract shall be awarded to the bidder with the highest Evaluated **Bid Final Score (BFS)**.
- III. In the event of two or more bids having the same highest Evaluated Bid Score. the bid scoring the highest marks against "Technical Qualification" criteria will be recommended for award of contract. Even if there is a tie, 'draw of lots' will be resorted to arrive at the recommended bidder.

For Network Solution and Media design

Bidder are pre permitted for below mentioned medium for last mile delivery.

Priority medium will be as below.

1. LAN connectivity CAT-6 up to 100 Mtr

2. Structural Aerial **1.5 1 Km**

3. P2P and P2MP RF Link 10Km and 5Km **Based on location, potential and viability(LPV) for multi connections of RF connectivity shall be deploy.**

4. Under Ground 500 Mtr

Beyond above design criteria GFGNL reserve the rights for approval of last mile delivery methodology for additional length or Li Fi technology.

Note: The Itemized response is given for keeping track so that GFGNL do not miss any query and for convenience of all the participant.