



GOVT. OF INDIA/भारत सरकार
Ministry of Communications/संचार मंत्रालय
Department of Telecommunications/ दूरसंचार विभाग
Universal Service Obligation Fund/ सावभौमिक सेवा बाध्यता निधि
Sanchar Bhawan, New Delhi – 110001

www.usof.gov.in

To,

All Prospective bidders

(Through USOF website & CPP Portal)

File No.: 30-252-7/2019-USF/

Dated: 27/03/2020

Subject: Addendum-1 regarding pre-bid Clarifications in respect of Tender No. USOF/TENDER/MEGHALAYA/30- 252-7/2019 issued on 10/02/2020 for “Provision of 4G based Mobile Services in Identified Uncovered Villages & along National Highways in Meghalaya”.

Kindly find enclosed herewith replies/ clarifications to pre- bid queries, raised by some of the prospective bidders as per enclosure, issued to the subject tender. These Replies as given in enclosure is also uploaded on Central Public Procurement Portal (CPPP) as an Addendum for acceptance by bidder during submission of bid.

The above shall form an integral part of the Tender document. All other terms and conditions of the Tender shall remain unchanged.

Please acknowledge the receipt.

Encl.:

1. Addendum-1 (Replies / Clarifications).

Director (T-1), USO Fund, DoT
Room No. 719, Sanchar Bhawan,
New Delhi - 110 001
Phone: 011-2303 6409
E-mail ID: dirusof2-dot@nic.in

Addendum No.-1 dated 27-03-2020: Clarifications/ Response to the pre-bid queried received against the Tender No. USOF/TENDER/MEGHALAYA/30-252-7/2019 dated 10.02.2020 for "Provision of 4G based Mobile Services in Identified Uncovered Villages & along National Highways in Meghalaya".

S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications
1	5.7.2 (Pg. No. 41)	The satellite bandwidth charges shall be separately provided quarterly to the USP over and above EQS for 8 Mbps bandwidth per site, for maximum 15% (132) sites for maximum up to 2 years, based on actual deployment of VSAT media, at the rate Rs. 3.68 Lakh per Mbps per annum or the actual rate on which payment is made by USP, whichever is lower.	There can be some of the sites where the USP may have to continue with VSAT even after 2 years because the villages are very remote. Will USOF support for the same after 2 years? -VSAT requirement should not be limited, this has to be decided post field survey	The VSAT sites may be converted on MW/OFC backhaul even before 2 years from the date of commissioning. However, bidder is free to continue VSAT backhaul of minimum 8Mbps even beyond 2 years but the subsidy for VSAT bandwidth shall be limited upto 2 years as per tender No support for VSAT bandwidth charges beyond 2 years shall be provided.
2	3.2.4 ii (g) (Pg. No. 16)	To maintain the desired quality of service (QoS), as per the TRAI recommendations/ guidelines. (Uptime of minimum 98%).	It is not practical to maintain network uptime of 98% in such remote locations. Network uptime should be relaxed for USOF sites. It should not be more than 90%.	As per tender
3.	3.5.11 (Pg. No. 19)	Installation of tower and associated infrastructure in an uncovered village is not required if it is already covered from any type of technology i.e. 2G or 3G or 4G or a combination thereof through any TSP or the same can be covered by the towers to be installed along National Highways. The same should be duly justified and Certified by the USP.	Coverage threshold should be defined to establish a village covered or uncovered. -Partial covered village should be considered as covered or uncovered?	The coverage by any TSP is to be considered for the uncovered village only at the time of survey to be approved by USOF. Partially covered village will be considered as covered.

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S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications																								
4.	5.3.1 (Pg. No. 38)	<p>Table 5.1</p> <table border="1"> <thead> <tr> <th>S. No.</th> <th>Particular</th> <th>Technical Requirement</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>Tower Height</td> <td>30M for A type eNode-B and 40M for B Type eNode-B</td> </tr> <tr> <td>2.</td> <td>Radiating power</td> <td>20W</td> </tr> <tr> <td>3.</td> <td>ENode-B Configuration</td> <td>1+1+1</td> </tr> <tr> <td>4.</td> <td>Antenna Type</td> <td>Sectoral Antenna</td> </tr> <tr> <td>5.</td> <td>Minimum Radial coverage</td> <td>4KM</td> </tr> <tr> <td>6.</td> <td>Minimum backhaul bandwidth</td> <td>VSAT of 8Mbps and OFC/MW of 15Mbps</td> </tr> <tr> <td>7.</td> <td>Services</td> <td>Voice, SMS and Data</td> </tr> </tbody> </table>	S. No.	Particular	Technical Requirement	1.	Tower Height	30M for A type eNode-B and 40M for B Type eNode-B	2.	Radiating power	20W	3.	ENode-B Configuration	1+1+1	4.	Antenna Type	Sectoral Antenna	5.	Minimum Radial coverage	4KM	6.	Minimum backhaul bandwidth	VSAT of 8Mbps and OFC/MW of 15Mbps	7.	Services	Voice, SMS and Data	<p>Most of the villages are part of hilly terrain along with having dense vegetation where it is not practical and feasible to provide radial coverage of minimum 4Km for every site.</p>	<p>The 4KM coverage requirement as per point no. 5 of Table 5.1 has been put as the capacity/ capability of the eNode-B. In some cases, however due to terrain/ geo-climatic conditions etc. 4KM coverage may not be feasible.</p>
S. No.	Particular	Technical Requirement																										
1.	Tower Height	30M for A type eNode-B and 40M for B Type eNode-B																										
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5.	5.3.3 (Pg. No. 38)	<p>Towers shall be located in the villages & along National Highways as specified in Appendix-1 of the Tender Document to provide 4G based mobile services in those areas.</p>	<p>USP should be allowed to install the tower out of the mentioned villages limits provided it ensures to cover the mentioned village. On ground there can be lot of acquisition challenges like unavailability of land ownership documents etc.</p>	<p>As per tender.</p>																								

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S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications
6.	5.5.1 (Pg. No. 39)	Grid Power connectivity is to be provided for all the sites.	USP will anyway do effort to avail the Grid Power connectivity for all the towers and we believe that USOF authority will help USP to get Grid power supply wherever there would be a challenge. Still there can be some of the locations where Grid power supply may not be availed on tower from the electricity department and USP may continue to run the site on alternate power source. Hence, it is requested to USOF not to mandate Grid power supply for all the sites.	USP may commission the site on alternate source while maintaining the mobile services as per Quality of Service set by TRAI. The Grid power connectivity, if not available at some sites, at the time of installation, may, however, be provided at the earliest for these sites.
7.	5.6.1 (Pg. No. 40)	The eNode-B shall be based on LTE Technology. Minimum requirements are: Voice Service, SMS. Data communication services: Minimum 512 Kbps at cell boundary at 4KM and for VSAT site data rate may be proportionately available as per backhaul of 8Mbps	Most of the villages are part of hilly terrain along with having dense vegetation where it is not practical and feasible to provide radial coverage of minimum 4Km with minimum 512 Kbps data rate.	Please refer reply to Query No 4
8.	6.5.2 (Pg. No. 45)	The successful bidder (USP) shall complete the field survey for at least 30% of sites in the bidding unit in three months from the date of signing of the agreement, at least another 30% of sites in six months from the date of signing of the agreement and the remaining sites in nine months from the date of signing of the agreement to finalize location and type of infrastructure (A&B,) at each site. The successful bidder (USP) shall	Most of the villages belongs to difficult locations and there is no accessibility to some of the villages during the monsoon times. There should not be such timelines for surveys and total project execution timelines should be 24-30 months at least.	As per tender

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S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications
		commission and provide 4G based mobile services from all the infrastructure sites in a Bidding Unit within a period of 18 months from the date of signing of the Agreement.		
9	3.2.4(Pg. No. 16)	(g) To maintain the desired quality of service (QoS), as per the TRAI recommendations/ guidelines. (Uptime of minimum 98%).	Maintaining the uptime could be challenge in the inaccessible forest/ hilly / areas and the reasonable exceptions will need to be permitted in genuine cases	Please refer to clarification at S. No.-2.
10	3.5.10(Pg. No. 18)	USOF subsidy will be paid only in respect of the sites where mobile tower with backhaul and associated equipment is installed and commissioned under the Scheme and will be limited to the number of sites finalized and approved by USOF.	MW repeater towers shall also be required for backhaul purposes only. Will USOF consider subsidy for MW repeater towers also? Currently, there is no mention of MW repeater towers in tender. Please clarify.	As per Tender.
11	3.30.1 (Pg. No. 29)	The bidder should give a certificate that none of his/ her near relative, as defined below, is working in the units where he is going to apply for the tender. In case of proprietorship firm certificate will be given by the proprietor. For partnership firm certificate will be given by all the partners and in case of limited company by all the Directors of the company excluding Government of India/ Financial institution nominees and independent non-Official part time Directors appointed by Govt. of	In case of public limited companies, can the applicability of this clause be limited to Key employees of the bidders who are directly involved in the tender process instead of all Directors on board of the company.	As per tender.

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S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications
		India or the Governor of the state and full time Directors of PSUs both state and central. Alternatively, certificate towards the fulfillment of the above requirement submitted by the Company Secretary/Chairman or Managing Director of the Company/Authorized Signatory who is authorized for submission of bids, on behalf of all the Directors is also acceptable		
12	4.2.1 (Pg. No. 31)	(iii) Arrange Electrical power connection as specified in Section-V: Technical Conditions from the concerned State Electricity Boards/Corporations	<p>1. Whether any support will be provided by the state government / authorities for getting electric connection in a speedier manner.</p> <p>2. Can the electricity be provided at concessional rates?</p>	<p>1. Necessary coordination will be facilitated by USOF in case of requirement.</p> <p>2. The rates of electricity will be as per applicable tariff to be borne by the bidders only.</p>
13	4.7 (Pg. No. 33)	The Administrator reserves the right to modify at any time the terms and conditions of the Agreement signed with the USP, if in the opinion of the Administrator it is necessary or expedient to do so in public interest or in the interest of the security of the State or for the proper conduct of the service. The decision of the Administrator shall be final in this regard.	If such modification results in excess financial implication on the USPs, then parties need to mutually agree on a revised price.	As per tender

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S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications
14	4.9.1 (Pg. No. 34)	The Administrator may, without prejudice to any other remedy available for the breach of any conditions of Agreement, by a written notice of 90 calendar days issued to the USP at its registered office, terminate the Agreement under any of the following circumstances: (i) Failure to perform any obligation(s) under the Agreement; (ii) Failing to rectify, within the time prescribed, any defect as may be pointed out by the Administrator.	In clause 4.9.1 (i), it is requested modify the clause as below: " (i) Failure to perform any material obligation(s) under the Agreement, within the notice period or any extended period".	As per tender
15	4.11 (Pg. No. 35)	Indemnity The USP shall indemnify the Administrator in respect of any damages, claims, loss or action against Administrator for acts of commission or omission on the part of the USP, its agents or servants.	The indemnity obligation is very broad. It is requested to modify the clause to restrict the indemnity events to the following: i) Any damage to tangible property caused by the negligent act or omission of the USP; ii) Death or injury caused by negligent act or omission of the USP; iii) Any material breach of any applicable law by the USP.	As per tender.
16	4.12.1 (Pg. No. 35)	Settlement of Disputes & Arbitration If such resolution is not possible, then the unresolved dispute or difference shall be referred to arbitration of the sole arbitrator to be appointed by the Secretary, Department of Telecommunications,	Request for a mutually appointed sole arbitrator	As per tender.

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S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications
17	4.13.1 (Pg. No. 35)	FORCE- MAJEURE---- ----nor shall either party have any claims for damages against the other in respect of such non-performance or delay in performance. Provided 4G based mobile services under the Agreement shall be resumed as soon as practicable, after such EVENT comes to an end or ceases to exist.	For O&M: Insurance has to be claimed against each Damage occurred during all such event. Also, Network service exclusion has to provided for same during & after such EVENT comes to an end as re-built of network would may take substantial amount of time & resource.	As per tender.
18	4.14.1 (Pg. No. 36)	Set Off Clause In the event any sum of money or claim becomes recoverable from or payable by the USP to the Administrator either against the Agreement or otherwise in any manner, such money or claim can be (without restricting any right of set off for counter claim given or implied by law) deducted or adjusted against any amount or sum of money then due or which at any time thereafter may become due to the USP under this Agreement or any other Agreement or Contract between the Administrator and the USP	It is requested to modify this clause to: i) make it applicable only for any undisputed amounts and not otherwise ii) Set Off should only be restricted to this Agreement; iii) Notice of set off should be provided 15 days prior to set off and not after exercising set off.	As per tender.
19	5.3.1 (Pg. No. 37)	The minimum requirements of Masts/Towers and eNode-B configurations are given in Table 5.1. USP may deploy the equipment of enhanced capacity/capability as per traffic requirement.	Some of the tower may require higher height. What will be the average benchmark subsidy per site for 60m Tower? Currently, there is no mention of 60m Tower in Tender document. Please clarify.	These are the minimum requirements of Towers and eNode-B configurations. USP may deploy the equipment of enhanced capacity/capability as per traffic requirement; however, the subsidy

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		Tower Height: 30M for A type eNode-Band 40M for B Type eNode-B		payment will be made as per approved representative rates of the nearest lower configuration subject to the variation clause.
20	5.3.10 (Pg. No. 39)	The USP shall maintain on site detailed calculations, Standards of materials & Specification data on the deflection limit of towers and the safety factor used in tower erection , as well as detailed drawings	Site wise all data can be made available centrally.	Agreed
21	5.3.9 (Pg. No. 39)	The USP shall be responsible for the safety during transportation, handling and erection of tower and associated equipment.	For O&M: In case of Emergency/Critical cases feasibility of reimbursement of Transportation Cost By Air to cater service compliance as per RFP	As per Tender.
22	5.5.2 (Pg. No. 39)	Battery specifications provided 800 AH VRLA type.	The battery provisioning shall be based on back up requirement as sites are provisioned with DG back up. Maintaining the stated power backup for 1 day and to comply with QoS is the responsibility of USP. Thus, capacity specifications for Battery and DG need to be removed. Battery may be specified as Li-Ion or VRLA for 1 day autonomy.	As per tender.
23	5.7 (Pg. No. 40)	Backhaul Technology may be Microwave or Optical Fibre Cable (OFC) or VSAT	Majority of the ROW falls in Forest and NH/Minor road areas -USP should get free ROW and faster clearance in order to meet tender deadlines. Tender does not mention anything on ROW feasibility.	As per Tender. Necessary coordination will be facilitated by USOF, if required, without any relaxation in timelines. However, RoW permission is the responsibility of the bidder.

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S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications
24	5.5.3 (Pg. No. 40)	The USP shall comply to the minimum power arrangement and battery autonomy as per above, however, if required, USP shall install additional power source to meet the uptime requirement as per TRAI guideline. However, there shall be no extra financial support from USOF.	In case of frequent emergency like situation due to Terrain challenges, Mobile Hire DG deploy require at Site. Financial support would be required for additional O&M budget. (Permanent Grid EB failure/Strike/Local public issue/Political issue/Owner captured site/Theft/Fire of Equipment/Act of God etc.,)	As per tender
25	5.5.9 (Pg. No. 40)	Complete drawings of Power Plant & Battery and Interconnection and Layout shall be made available on sites	Site wise all data (SLD) can be made available centrally in the circle.	Agreed.
26	5.5.9 (Pg. No. 40)	Maintenance spares including spares for control panel and spare fuses should also be provided at the site.	Maintenance spares storage location are at Central location (JC/CMP) in the circle currently for O&M.	Agreed.
27	5.6.1 (Pg. No. 40)	Data communication services: Minimum 512 kbps at cell boundary at 4 KM.	Meghalaya demography is highly dense vegetation, therefore 4Km coverage is not possible from a conventional 30/40 m tower. Moreover, throughput depends on various factors like no. of concurrent users, their locations, application used, etc. therefore. Ensuring min 512 Kbps at cell boundary can't be guaranteed. The requirement of a minimum data speed of 512 kbps at cell boundary at 4 KM needs to be relaxed wherever due to dense vegetation and coverage shadow in hillside terrain is there.	Please refer to clarification at S. No.-4.

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S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications
28	5.6.2 (Pg. No. 40)	The eNode-B shall be of Outdoor versions and preferably mast/ tower mounted.	BBU /CSS (Routers)/VSAT Antenna are currently deployed as ground based PAN India.	As per tender.
29	5.10 (Pg. No. 41)	The Quality of Service Parameters for Mobile Telecommunication Services as prescribed by TRAI shall be complied. The USP shall ensure provision of reliable services to the customers as per the Quality of Service (QoS) prescribed by the TRAI from time to time. The USP shall adhere to such QoS standards and provide timely information as required therein.	These TRAI QoS are defined for LSA level (state) level where millions of samples are collected. Although the network quality will be good, still these villages may have challenges in meeting some of the QoS parameters due to very less number of samples. So the TRAI QoS may be met only when sufficient samples are available from commercial subscribers. Relaxation in QoS shall be required for VSAT sites.	Please refer to clarification at S. No.- 2.
30	5.7.2. (Pg. No. 41)	The satellite bandwidth charges shall be separately provided quarterly to the USP over and above EQS for 8 Mbps bandwidth per site, for maximum 15% (132) sites for maximum up to 2 years, based on actual deployment of VSAT media, at the rate Rs. 3.68 Lakh per Mbps per annum or the actual rate on which payment is made by USP, whichever is lower. Therefore, USP may convert these VSAT sites on microwave/OFC backhaul before 2 years from the date of commissioning.	1. Will the required Satellite Bandwidth be reserved by BBNL /USOF on the HTS satellites GSAT 19/GSAT 11 for the services for 2 Years for these sites (As is being done for the A&N USOF tender site locations). 2. for using the BBNL HTS bandwidth services, Can the remote VSAT equipment be directly procured from the OEM, which is presently Hughes. 3. For any coordination regarding the installation of the router or VSAT equipment at the Gateways, Network monitoring etc, Liasioning has to be done with BBNL or BSNL. (Kindly provide the contacts) 4. For taking regulatory clearances/exceptions where required,	As per Tender.

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			Liasoning to be done with BBNL or BSNL? 5. If some of the sites cannot be converted from VSAT to other media, will the required Bandwidth continue to be made available by USOF for such sites.	
31	5.7.5 (Pg. No. 41)	The backhaul equipment installed shall work without the need for Air conditioning.	MGW/ AG2/ Tx Core equipment, catering to Backhaul, require air conditioning.	The backhaul equipment is the responsibility of the bidder and necessary provisioning of air conditioning, if required, to be done by the USP only.
32	5.10.4 (Pg. No. 42)	The bidder will keep a record of rural connections provided from the BTS installed under the scheme and the telecom traffic generated & registered from each site.	Being mobile connections the customers will be served from different eNode B at different times of USOF or other mobile networks and similarly mobile connections from other locations shall also be getting serve from these eNodeB when under coverage of such eNodeB. Record of Rural connections can be only with respect to customers on boarded with address in these villages covered. Alternatively, USP will keep a record of peak latched customers to the eNodeB installed under the scheme and the telecom traffic generated & registered from each site.	The bidder will keep a record of peak latched customers to the eNodeB installed under the scheme and the telecom traffic generated & registered from each site.
33	5.13.1 (Pg. No. 42)	USP shall install and offer one site of both the categories (A &B) for validation of functional parameters (Proof of Concept) to Testing Agency designated by USOF.	Based on geography challenges and difficult terrain and climatic conditions, frequent road block -POC-Project timelines shall be clarified and shall be more than 12 months.	Please refer to clause No. 6.5.2 of the tender document.

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S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications
34	6.5.2 (Pg. No. 45)	The successful bidder (USP) shall complete the field survey for at least 30% of sites in the bidding unit in three months from the date of signing of the agreement, at least another 30% of sites in six months from the date of signing of the agreement and the remaining sites in nine months from the date of signing of the agreement to finalize location and type of infrastructure (A&B,) at each site. The successful bidder (USP) shall commission and provide 4G based mobile services from all the infrastructure sites in a Bidding Unit within a period of 18 months from the date of signing of the Agreement.	Due to geographical and climatic challenges, the survey as per scope and deployment timelines needs to be extended to 30 Months instead of 18 months. Similarly, timelines for field survey would be extended to 18 months instead of 09 months	As per tender.
35	7.4.1 (Pg. No. 51)	The Administrator or its authorised representative shall have the right to call for and the USP shall be obliged to maintain, supply and provide for examination the relevant books of accounts, financial records and provide access to its systems and any other records that it maintains in respect of the business carried on to provide the service(s) under this Agreement at any time.	It is requested to delete this clause or restrict the applicability and scope to the extent of documents relevant to the subsidy received under this Agreement.	As per tender.

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36			The execution support shall be required from various Govt authorities for facilitating the permissions from EB, Security, IB, forest, local Govt bodies to facilitate the permission	Please refer to clarification at S. No.-12 and 23.
37			Presence of USOF nodal officers at state level will be required to expedite the permission from Govt authorities for site deployment.	As per Tender.
38	1.2 (Pg. No. 3)	The satellite bandwidth charges shall be separately provided quarterly to the USP over and above EQS for 8 Mbps bandwidth per site, for maximum 15% (132) sites for maximum up to 2 years	You are requested to clarify that 15% of 132 sites- 20 locations have to be done on Satellite. Request to provide us the list of these 20 sites along with the feasibility report. Does it mean that 85% of locations are feasible on fiber? Kindly confirm.	As per Tender.
39	1.2 (Pg. No. 3)	The satellite bandwidth charges shall be separately provided quarterly to the USP over and above EQS for 8 Mbps bandwidth per site, for maximum 15% (132) sites for maximum up to 2 years	We request USOF to let the bidder decide the media (fiber, microwave, satellite) to connect these 132 locations. Further, also we request to remove the 2 years Bandwidth charges support and let bidder decide the duration for which the desired media to be used. Any Bandwidth requirement for the period should be part of the overall TCO/L1 calculation.	As per Tender.
40	4.2.7 (Pg. No. 32)	Non-discriminatory access to BharatNet infrastructure would be provided, wherever available. However, the implementation of this project should not be linked to the progress of BharatNet.	As per clause 4.2.7, the non-discriminatory access of BharatNet Infra is allowed. BharatNet currently have both Fiber and Satellite Infra. Kindly confirm whether both infra can be used and BBNL shall provide the access to this infrastructure like Gateways, VSATs, MPLS links etc.	As per Tender.

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S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications
41	5.7.3 (Pg. No. 41)	The sites installed with satellite backhaul should have minimum bandwidth of 8 Mbps	Kindly provide Inbound and Outbound Bandwidth distribution of 8 Mbps and what is the concurrency. What is the per user throughput? Please advise.	As per Tender.
42		Usage of BharatNet Infra	Is BBNL HTS Network under BharatNet Infrastructure can be used by lead bidders to provide connectivity. If yes, then kindly provide the required commercials for Bandwidth.	As per Tender.
43		LTE Acceleration	We would like to suggest that the offered VSAT should have the feature called "LTE Acceleration" compulsorily as traditional VSAT would not be able to manage the 4G traffic backhaul effectively. The same has been implemented by one operator in India.	As per Tender.
44	5.7.2 (Pg. No. 41)	The satellite bandwidth charges shall be separately provided quarterly to the USP over and above EQS for 8 Mbps bandwidth per site, for maximum 15% (132) sites for maximum up to 2 years	The number of sites on Satellite should be decided by the bidder and request DoT to provide the subsidy for up to 50% of the total sites. The reason is that infrastructure cost for setting a VSAT hub is not viable if the number of remote sites is restricted.	As per Tender.
45	5.7.2 (Pg. No. 41)	The satellite bandwidth charges shall be separately provided quarterly to the USP over and above EQS for 8 Mbps bandwidth per site, for maximum 15% (132) sites for maximum up to 2 years	These locations are very remote and that is the reason that there is no telecom infrastructure available after so many years and we do not anticipate the situation to improve in next 2 years so we request the subsidy to be extended till 5 years from the date of acceptance. The infrastructure availability can be reviewed after 2 years.	As per tender.

Addendum No.-1 dated 27-03-2020: Clarifications/ Response to the pre-bid queried received against the Tender No. USOF/TENDER/MEGHALAYA/30-252-7/2019 dated 10.02.2020 for "Provision of 4G based Mobile Services in Identified Uncovered Villages & along National Highways in Meghalaya".

S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications
46	4.2.7 (Pg. No. 32)	Non-discriminatory access to BharatNet infrastructure would be provided, wherever available. However, the implementation of this project should not be linked to the progress of BharatNet.	As per clause 4.2.7, the non-discriminatory access of BharatNet Infra is allowed. BharatNet currently have both Fiber and Satellite Infra. Kindly confirm whether both infra can be used and BBNL shall provide the access to this infrastructure like Gateways, VSATs, MPLS links etc.	As per Tender.
47	5.7.3 (Pg. No. 41)	The sites installed with satellite backhaul should have minimum bandwidth of 8 Mbps	Kindly provide Inbound and Outbound Bandwidth distribution of 8 Mbps and what is the concurrency. What is the per user throughput? Please advise.	As per Tender.
48	4.2.7 (Pg. No. 32)	Usage of BharatNet Infra	Is BBNL HTS Network under BharatNet Infrastructure can be used by lead bidders to provide connectivity. If yes, then kindly provide the required commercials for Bandwidth and also confirm if any separate license fee has to be submitted for mobile backhauling application.	As per Tender.
49	Table 5.1 (Pg. No. 38)	Minimum Backhaul Bandwidth : 8Mbps on VSAT	It is requested to USOF that access to HTS bandwidth is made available to bidders via VSAT Licensee. We understand that using HTS Satellite 8Mbps backhaul is possible on 1.2m 4W RF, else on traditional Satellite higher Antenna size upto 3.7m and RF upto 50W may be required making the Site unfeasible due to high logistics and Capex cost	As per Tender.
50	1.1 (Pg. No. 3)	Provision of 4G based Mobile Services in Identified Uncovered Villages & along National Highways in Meghalaya	We understand that this tender is for providing 4G using media mix of VSAT, Microwave, Fiber as backhaul. However, for VSAT Network, the LTE acceleration is required in client server mode. In case BBNL	As per Tender.

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S.N.	Clause No. (Pg. No.)	Clause	Queries / Requests	Clarifications
			infrastructure is allowed to be used by USOF for Satellite, is bidder allowed to Augment / Upgrade BBNL Jupiter Baseband's or Bidder is to co-located their Baseband HUB in L-Band to use the HTS Bandwidth. Kindly confirm	
51	3.2.4 (ii g) (Pg. No. 16)	To maintain the desired quality of service (QoS), as per the TRAI recommendations/ guidelines. (Uptime of minimum 98%).	We understand 98% of uptime is to be maintained for the network. Is bidder allowed to provide VSAT Media as backhaul in backup mode post 2 years of primary operation (15% of sites). The bidder may use the advantage of Satellite concurrency pools of 8Mbps across multiple sites. For example 10 VSAT sites backhaul works in a pool of 8Mbps, only 1 VSAT may come LIVE once primary media (RF / OFC) goes down in 10% concurrency ratio	As per Tender.
52	1.8.1 (Pg. No. 5)	Public Procurement guideline issued as per gazette notification dated 29th August 2018 issued by the Department of Telecommunications, titled "Public Procurement (Preference to Make in India) Order 2017- Notification of Telecom Products, Services or Works", shall be applicable for this tender along with relevant references. Accordingly, bidder is to submit self-certification as per Annexure-19.	Letter reference No. of DoT guideline regarding Public Procurement (Preference to Make in India) order 2017 may be mentioned.	Public Procurement guideline issued as per Gazette Notification No. 18-10/2017-IP dated 29th August 2018, as amended from time to time, issued by the Department of Telecommunications, titled "Public Procurement (Preference to Make in India) Order 2017- Notification of Telecom Products, Services or Works", shall be applicable for this tender along with relevant references. Accordingly, bidder shall submit self-certification as per Annexure-19.