

**GOVERNMENT OF INDIA  
MINISTRY OF HOME AFFAIRS  
(PROCUREMENT WING)  
JAISALMER HOUSE, 26 MAN SINGH ROAD,  
NEW DELHI – 110 011**

**DATED 5.06.2018**

**CORRIGENDUM NO.07  
TO GLOBAL TENDER ENQUIRY (GTE)  
No D/21013/3265/22.11.2017/PW DATED 05.04.2018**

(Minutes of Pre-Bid Meeting)

**Ref: TENDER ENQUIRY (TE) NO: D/21013/3265/22.11.2017/PW DATED 05.04.2018 FLOATED ON 05.04.2018 CPP PORTAL AND SCHEDULED TO BE OPENED ON 05.06.2018 (TECH BID) FOR UPGRADATION AND EXPANSION OF SATELLITE BASED(C-BAND) COMMUNICATION NETWORK (POLNET) OF DCPW.**

Open Tender Enquiry for procurement of subject stores was floated on Central Public Procurement Portal (CPPP) on 05.04.2018. Further two sittings of pre-bid meeting were held on 12.04.2018 and 17.04.2018 under the Chairman of Director, DCPW. All the queries received from representatives of firms were discussed during the meeting. After discussion in the pre bid meeting, concurrence of IFD and approval of competent financial authority, following amendments are hereby issued against the subject TE. These changes may be effected wherever it is defined in the text of the tender documents and it may be treated as amended accordingly:-

**Part -I**

<b>Technical Clarifications</b>			
<b>SN</b>	<b>Ref. of Para in oTE</b>	<b>Clarification Sought by Rep. of firms</b>	<b>Changes agreed/Not agreed by MHA/Amendment in GTE</b>
1.	Clause 12.1 Page 12 of OTE <b>Existing Clause</b> Test certificate of the equipment from the Chamber of commerce of country / manufacture (if any)	<b>M/s Polycom &amp; M/s Millennium</b> Test Certificate should be excluded from submission in the Technical BID Test Certificates are issued for the supplied equipment's against their Serial Nos. Since Serial Nos cannot be determined at the time of bidding, it is requested that the Test Certificates should be asked	<b>Decision of MHA.</b>  May be submitted at the time of supply

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		along with the Supply of Video Conferencing Products.	
2.	<p>Clause 1(a) Page 22 of OTE</p> <p><b>Existing Clause</b></p> <p>(a)The delivery period for the stores: Contractor shall follow the following schedule for executing the contract: Please note that contract can be cancelled unilaterally by the Buyer in case items are not received within the contracted delivery period as per schedule given.</p>	<p><b>M/s BECIL</b></p> <p>We understand that there will be WPC Frequency Clearance license involved and hence delivery should start from the date of providing the WPC frequency Clearance License.</p>	<p><b>Decision of MHA.</b></p> <p>Necessary documents shall be provided to the successful bidder</p>
3.	<p>Annexure IV Clause 12 Page 22 of OTE</p> <p><b>Existing Clause</b></p> <p>(a)The delivery period for the stores: Contractor shall follow the following schedule for executing the contract: Please note that contract can be cancelled unilaterally by the Buyer in case items are not received within the contracted delivery period as per schedule given.</p>	<p><b>M/s BECIL</b></p> <p>It is proposed that delivery time should be increased to minimum 330 days.</p> <p><b>M/s ADTL</b></p> <p>(i) Supply &amp; Delivery : T + 180, Inst. Of Hub: T+ 270, Comms. Of DCPW Vsats: T+300, Site Acceptance Test: T+390</p>	<p><b>Decision of MHA.</b></p> <p><b>Tender Condition Persists</b></p>
4.	<p><b>Annexure IV</b> Clause 3 Page 23 of OTE</p> <p><b>Existing Clause</b></p> <p><b>TRAINING REQUIREMENTS:</b> The seller will provide the System Administration &amp; management training</p>	<p><b>M/s BECIL</b></p> <p>Please confirm whether the training shall be considered in the Delivery completion period. Also training should be excluded from commencing of warranty period after completion of I&amp;C</p>	<p><b>Decision of MHA.</b></p> <p><b>Tender Condition Persists</b></p>

	including training on all major equipment's.		
4.	<p><b>Annexure IV</b>  <b>Clause 3.1</b>  <b>Page 23 of OTE</b>  <b>Existing Clause</b></p> <p>The Seller has to provide free training at the time of installation and commissioning to technical officials at consignee's location i.e. at HUB Site and VSAT Site as per details given below to the entire satisfaction of the consignees :-</p>	<p><b>M/s BEL</b></p> <p>Location for Training Program of operation &amp; management of Hub and VSAT terminals are not mentioned in Tender. Kindly provide the training location for Hub &amp; VSAT Terminals.</p>	<p><b>Decision of MHA.</b></p> <p>Refer Clause 3.1 Page 23</p>
5.	<p><b>Annexure IV</b>  <b>Clause 4.2(ii)</b>  <b>Page 24 of OTE</b>  <b>Existing Clause</b></p> <p>The Supplier shall provide standard test procedure detail in respect of each type of equipment and the complete system after installation at site and prepare a test report in respect of each individual equipment. This shall be compared with the factory test report supplied by Supplier to ensure that there is no deterioration in the equipment parameters during storage, transportation and installation.</p>	<p><b>M/s Polycom &amp; M/s Millennium</b></p> <p>The standard Testing procedure clause does not apply to Video Conferencing Equipment. For Video Conferencing Equipment's, the testing procedures carried out in the factory before supply of the equipment to ascertain quality and to check functionality. There are no test procedures followed in the field at the time of installation.</p>	<p><b>Decision of MHA.</b></p> <p>Tender Condition Persists</p>



6.	<p><b>Annexure IV</b>          Clause 5(ii)(1)          Page 25 of OTE  <b>Existing Clause</b>  <b>Payment Schedule</b>          (1) 50% payment of stores will be allowed on delivery on said to contain basis on pro-rata basis and submission of performance guarantee for 10% of total contract value valid till warranty period and balance;</p>	<p><b>M/s HUGHES</b>          (I) Request you to kindly define the process of issue of Inspection Note, User Acceptance certificate by DCPW for release of 50% payment against delivery. We understand that only physical acceptance of items delivered shall be involved for release of first 50% payment of items delivered on pro-rata basis.          (II) Please clarify if PDI is involved. Necessary cost to be factored in case of PDI. Also there are different OEMs involved in this project, all having Manufacturing facilities at different locations across the world. Request you to clarify the location of PDI.</p>	<p><b>Decision of MHA.</b>          Refer Clause 4 of Annexure IV Store Inspection and Acceptance at page 23 of OTE</p>
7.	<p><b>Annexure IV</b>          Clause 7.1          Page 26 of OTE  <b>Existing Clause</b>          The successful bidder shall Operate &amp; Maintain the HUB equipment for a period of 1 year from date of commissioning. The successful bidder shall also provide warranty for 3 years from the date of commissioning. After the expiry of warranty Annual Maintenance for the next 7 years shall be provided by successful bidder. During the period of warranty and AMC of Hub, the successful bidder should deploy a qualified resident engineer in the HUB on 24x7 basis for ensuring</p>	<p><b>M/s TCIL</b>          Please clarify the following:          1. Operations is required for 1 year. Deployment of staff is required on 24x7 basis in shifts          2. During Warranty and AMC period, operations is required at HUB or mere presence of One nos. engineer for CAMC is required.          Operations shall be taken care by the Customer.</p>	<p><b>Decision of MHA.</b>          Qualified staff to be deployed at the hub to meet the Network Requirements of HUB Uptime 99.9%.          Rest Tender Condition Persist.</p>



	99.9% uptime availability of HUB.		
8.	<p><b>Annexure IV</b>  Clause 7.8  Page 26 of OTE  <b>Existing Clause</b></p> <p>The SELLER is required to provide Hardware &amp; Software up-gradations from time to time, at mutually agreed terms. All necessary Updation / Up-gradation have to be ensured by bidder during warranty and post warranty period as part of CAMC.</p>	<p><b>M/s TCIL</b>  Generally OEMs provide warranty and technical support for equipment supplied which includes patches, updates if any. Up gradation is a separate activity which does not form the part of warranty and is dealt with separately. For any up gradation to be done, its more of a subjective matter wherein specific systems which require upgrade need to be defined, according to which costs will be considered. Request to please consider "updation" instead of up-gradation.</p> <p><b>M/s BEL</b>  As per last Para of Warranty, it is mentioned that <i>"the Seller is required to provide Hardware &amp; Software up-gradations from time to time, at mutually agreed terms"</i> we understand that software update &amp; Patches will be provided which will be available free of cost from OEM . Please confirm.</p>	<p><b>Decision of MHA.</b>  Tender Condition Persists</p>
9.	<p><b>Annexure IV</b>  Clause 9  Page 27 of OTE  <b>Existing Clause</b></p> <p>CAMC clause: uptime of not less than 99.9% for all supplied equipment and services.</p>	<p><b>M/s TCIL</b>  Request to kindly clarify whether this uptime is for HUB system only or including the remote VSATs as well. Request to kindly consider downtime for remotes with 2-3 days in mainland and 4-5 days for J&amp;K, islands, North east areas etc.</p>	<p><b>Decision of MHA.</b>  Bidder shall also ensure Remote VSAT Uptime of 99% (97% for VSATs installed in North East Region, Andaman &amp; Nicobar, Lakshadweep Islands and Ladakh region).</p>

			<p>The maximum time to repair (MTTR) of VSAT will not exceed 48 Hrs for all other cities except North East Region, Andaman &amp; Nicobar Islands, Lakshadweep Islands and Ladakh region</p> <p>72 Hrs for North East Region, Andaman &amp; Nicobar Islands, Lakshadweep Islands and Ladakh region. Beyond the stipulated Period Penalty @ Rs 1000/-per remote per vsat per day shall be levied.</p>
10.	<p><b>Annexure IV</b>  Clause 7.16  Page 27 of OTE  <b>Existing Clause</b>  Whenever the requirement of change over to new satellite from the existing arises during warranty and CAMC period, the bidder should undertake the migration work to shift to new satellite with minimum down time of the network restoring all network services with immediate effect.</p>	<p><b>M/s BEL</b>  Whenever the requirement of change over to new satellite from the existing arises during warranty and CAMC period. Time taken for change over to new satellite from the existing satellite shall not be considered for down time &amp; penalty calculation. Please confirm.</p>	<p><b>Decision of MHA.</b>  The successful Bidder has to ensure minimum downtime with Mutual consent</p>
11.	<p><b>Annexure IV</b>  Clause 11  Page 28 of OTE  <b>Existing Clause</b>  <b>Custom Duty:</b> - The contract is for supply, installation and commissioning, tests, trials</p>	<p><b>M/s BEL</b>  As per govt. Notification, Custom duty is not exempted for the imported items.</p>	<p><b>Decision of MHA.</b>  Tender Condition Persists</p>

	and trainings. Hence the supplier is fully responsible for and should make his own arrangements for import, transport, transit insurance till safe arrival of entire goods to the consignee's premises, clearance of goods through customs, etc. he shall do so in his own name and not in the name of the purchaser, the custom duty exemption certificate may be provided by the purchaser to the supplier (if applicable).	However as per RFP, Custom Duty exemption certificate may be provided by Purchaser. Please confirm.	
12.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 1.1.6 Page 31 of OTE <b>Existing Clause</b> The network is currently operating on GSAT-17 series satellite using C-Band full transponder of 36MHz bandwidth.</p>	<p><b>M/s TCIL</b>  Please provide the satellite parameters for GSAT-17. As the same is required to prepare link budget etc. The satellite parameters shared at Pg.No.35 mentions INSAT satellite parameters.</p>	<p><b>Decision of MHA.</b>  Agreed. Will be provided</p>
13.	<p><b>Appendix 2</b> <b>Section 1</b>  Clause 1.3 Page 31 of OTE <b>Existing Clause</b> <b>Scope of work</b>  The operational required services of the Network are as under: (i) Messaging services @16 Kbps or better at LAN Port. (ii) Messaging Application Server.</p>	<p><b>M/s BECIL &amp;</b> <b>M/s TCIL</b>  We request POLNET to specify the total BW of outbound and inbound separately to be supported by the network in Mbps or MHz . This is necessary for the uniformity in sizing the Hub Baseband.</p>	<p><b>Decision of MHA.</b>  Network is to be configured with 1 Out route Configurable from 8 Mbps to 45 Mbps and 12 In routes Configurable up to 2 Mbps .</p>

	<p>(iii) FTP services from VSAT up to 2Mbps.</p> <p>(iv) Voice @16 Kbps or suitable rate for 150 concurrent users simultaneously with call setup time -03 Seconds</p> <p>(v) 40 simultaneous Video conferencing call selectable from 512 Kbps to 2 Mbps.</p>		
14.	<p><b>Appendix 2</b> <b>Section 1</b></p> <p>Clause 1.3 Page 31 of OTE <b>Existing Clause</b></p> <p><b>Scope of work</b> Directorate of Coordination Police Wireless, MHA is considering to upgrade the existing POLNET HUB of Satellite based Communication Network (POLNET) located at Samanvay Sadan, New Delhi to DVBS-2 technology (or its latest version) and MFTDMA with Carrier in Carrier (CnC) feature for better efficiency and optimal use of spectrum with the initial capacity for 1700 VSATs and expandable to 3000 VSATs. 110 VSATs at DCPW / ISPW locations are to be provided. The VSATs of CAPFs and State Police organizations are required to be provided in a phased manner. The operational required services of the Network are as under:</p>	<p><b>M/s TECHNOSAT</b> Please confirm that the required services are for 110 sites or 1700 sites as this information shall help bidder to design the network and plan BOQ accordingly</p>	<p><b>Decision of MHA.</b> No Clarification Required</p>





	<p>i. Messaging services @16 Kbps or better at LAN Port.</p> <p>ii. Messaging Application Server.</p> <p>iii. FTP services from VSAT up to 2Mbps.</p> <p>iv. Voice @16 Kbps or suitable rate for 150 concurrent users simultaneously with call setup time -03 Seconds</p> <p>v. 40 simultaneous Video conferencing call selectable from 512 Kbps to 2 Mbps.</p>		
15.	<p><b>Appendix 2</b></p> <p><b>Section 1</b></p> <p>Clause 1.3.3</p> <p>Page 31 of OTE</p> <p><b>Existing Clause</b></p> <p>Refurbish existing 11 meter Antenna by suitable replacement of waveguide, Antenna Control &amp; auto tracking unit, Elevation Motors, Azimuth Motors, feed , ITU recommended painting etc. The antenna system should be upgraded to automatically steerable to look towards any satellite visible on India. During the refurbishment of 11 meter Antenna bidder have to ensure that required NOCC parameters are maintained.</p>	<p><b>M/s TCIL</b></p> <p>The tender mentions that the network is operational since 2004. The antenna installed has been in operation for more than 14 years now. As per the tender conditions, replacement of waveguide, antenna control unit and auto tracking unit, elevation and azimuth motors is to be done. We understand that the support as per the current tender is required for 10 years. It is requested that DCPW may consider installation of a completely NEW 11mtr Antenna System, since already existing antenna dish which is 14 years old will not give good performance and maintenance issues would be more frequent and difficult considering the 10 year time frame. New antenna system shall give good performance for the next 10-15 years.</p>	<p><b>Decision of MHA.</b></p> <p>Tender Condition Persists</p>

16.	<p><b>Appendix 2</b> Section 1 Clause 1.3.1 Page 31of OTE <b>Existing Clause</b> Supply, install, integrate and commission DVBS2 technology and FTDMA Hub with carrier in carrier feature at New Delhi to accommodate 1700 remote VSAT initially and expandable to 3000 remote VSATs.</p>	<p><b>M/s TCIL</b> Please clarify whether Baseband offered shall be capable of handling 3000 VSATs from Day 1. Since, expanding the no. of sites incurs cost on provisioning software licenses for increase in remote sites. Fixing the VSATs would bring all other OEMs/vendors at a uniform level.</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>
17.	<p><b>Appendix 2</b> Section 1 Clause 1.3.2 Page 31of OTE <b>Existing Clause</b> Supply, install, integrate and commission the new RF section consisting of SSPA, UP converter, Down converter and LNA along with standby units and integrate with existing network at RF level.</p>	<p><b>M/s TCIL</b> Please clarify the point "integration with existing RF level". Since the existing RF is getting replaced, to which RF level is the reference being made here and what type of RF integration is required.</p>	<p><b>Decision of MHA.</b> RF may be read as IF</p>
18.	<p><b>Appendix 2</b> Section 1 Clause 1.3(v) Page 31of OTE <b>Existing Clause</b> 40 simultaneous Video conferencing call selectable from 512 Kbps to 2 Mbps</p>	<p><b>M/s POLYCOM &amp; M/s Millennium</b> Please confirm if 40 simultaneous calls refers to concurrent conference among 40 Sites. Also please clarify the Video Resolution - High Definition 720p30fps or Full High Definition 1080p30fps of 40 Simultaneous calls We suggest to consider conference for 40 sites at Full</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>



		HD 1080p30fps for better Video Clarity.	
19.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 1.3 Page 31 of OTE <b>Existing Clause</b></p> <p><b>Scope of work</b> Directorate of Coordination Police Wireless, MHA is considering to upgrade the existing POLNET HUB of Satellite based Communication Network (POLNET) located at Samanvay Sadan, New Delhi to DVBS-2 technology (or its latest version) and MFTDMA with Carrier in Carrier (CnC) feature for better efficiency and optimal use of spectrum with the initial capacity for 1700 VSATs and expandable to 3000 VSATs. 110 VSATs at DCPW / ISPW locations are to be provided. The VSATs of CAPFs and State Police organizations are required to be provided in a phased manner.</p> <p>The operational required services of the Network are as under:</p> <p>i. Messaging services @16 Kbps or better at LAN Port. ii. Messaging Application Server. iii. FTP services from VSAT up to 2Mbps. iv. Voice @16 Kbps or suitable rate for 150 concurrent users</p>	<p><b>M/s BEL</b></p> <p>It is understood that traffic mentioned below is only to be considered for calculation of Hardware at Hub along with transponder requirements: 40 Simultaneous Video Calls @ 512 Kbps = 20 Mbps 150 Simultaneous Voice Calls @ 16 Kbps = 2.4 Mbps Total Traffic = 20 + 2.4 = 22.4 Mbps For FTP services from VSAT @ 2 Mbps and Messaging services @ 16 kbps, Nos. of simultaneous sessions are not mentioned. Therefore it is assumed that Messaging Services &amp; FTP services shall also share same 22.4 Mbps traffic. Please confirm &amp; clarify.</p>	<p><b>Decision of MHA.</b></p> <p>Refer Scope of Work clause 1.3 of Appendix 2 Section 1 at Page 31</p>



	simultaneously with call setup time -03 Seconds v. 40 simultaneous Video conferencing call selectable from 512 Kbps to 2 Mbps.		
20.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 1.3.1 Page 31 of OTE</p> <p><b>Existing Clause</b> Supply, Install, Integrate and Commission DVB S2 technology (or its latest version) and FTDMA Hub with carrier in carrier (CnC) feature at New Delhi to accommodate 1700 remote VSAT initially and expandable to 3000 remote VSAT.</p>	<p><b>M/s BEL</b> It is understood that Hardware &amp; Software at Hub to be planned for traffic of 22.4 Mbps (as mentioned in above clarification) and 3000 Nos. of VSAT site. Software Licenses (if any) required to be provisioned for 1700 nos. of VSAT sites only. Please confirm &amp; clarify.</p>	<p><b>Decision of MHA.</b> Refer Scope of Work 1.3 at Page 31</p>
21.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 1.3.6 Page 32 of OTE</p> <p><b>Existing Clause</b> The carrier in carrier feature should be provided as per applicable latest TEC IR.</p>	<p><b>M/s BECIL &amp; M/s GILAT</b></p> <p>(i) There is no specific TEC IR for Carrier in carrier feature, Please clarify the TEC IR to be referred for Carrier in Carrier. (ii) The Carrier in carrier operation may not be feasible for the POLNET Network. Please clarify the scope is limited to only supply the carrier in carrier device. (iii) Please provide the satellite Bandwidth to be covered by Carrier in Carrier device (18MHz, 24 MHz, 36 MHz etc. ).</p> <p><b>M/s TCIL</b> This is require to propose the right equipment.</p>	<p><b>Decision of MHA.</b> <b>Carrier in Carrier</b> feature may be treated as deleted.</p>

		As per the Link Budget calculations, The Carrier in carrier operation may not be feasible for the POLNET Network. Please clarify that in that case the scope is limited to only supply the carrier in carrier device.	
22.	<b>Appendix 2</b> <b>Section 1</b> Clause 1.3.5 Page 32 of OTE <b>Existing Clause</b> Star Remote VSAT should be able to transmit up to 2Mbps in Selectable steps. It should be able to receive up to 45 Mbps or better.	<b>M/s BECIL</b> <b>M/s TCIL &amp; M/s GILAT</b> Please confirm that receive capability of 45 Mbps here refers to the "Capability of VSAT Modem to demodulate the OB carrier of up to 45 Mbps".	<b>Decision of MHA.</b>  No Clarification Required
23.	<b>Appendix 2</b> <b>Section 1</b> Clause 1.3.7 Page 32 of OTE <b>Existing Clause</b> The Bidder shall provide a. Configuration and No. of carriers required for return link to meet the requirement of the upgraded network and should be substantiated by RF link analysis. b. Occupied transponder bandwidth for each assigned return link. c. Maximum No. of carriers supported by the systems. d. No. of Corresponding demodulators at HUB. e. Transponder loading plan	<b>M/s BECIL</b> We request POLNET to specify the total BW outbound and inbound separately to be supported by the network in Mbps or in Mbps/MHz This is necessary for the uniformity in sizing the Hub Baseband.  <b>M/s GILAT</b> We request POLNET to specify the total BW outbound and inbound separately to be supported by the network in Mbps or in Mbps/MHz This is necessary for the uniformity in sizing the Hub Baseband.	<b>Decision of MHA.</b>  Network is to be configured with 1 Out route Configurable from 8 Mbps to 45 Mbps and 12 in routes Configurable up to 2 Mbps .
24.	<b>Appendix 2</b> <b>Section 1</b> Clause 1.3.9	<b>M/s TCIL</b> Please clarify this requirements is from Day1.	



	<p>Page 32 of OTE <b>Existing Clause</b></p>	<p>Since the no. of users would incur additional cost on the licenses part</p> <p><b>M/s BEL</b></p> <p>It is understood that Messaging server hardware to be provisioned for 3000 users with 1 GB space for each user from Day 1. Please confirm &amp; clarify.</p>	<p><b>Decision of MHA.</b></p> <p>Refer Clause 1.3 page 31</p>
25.	<p><b>Appendix 2 Section 1</b> Clause 2.0(III) Page 33 of OTE <b>Existing Clause</b> Hub Baseband equipment's shall operate at IF level.</p>	<p><b>M/s BECIL &amp; M/s TCIL</b></p> <p>We request to change this clause to "Hub Baseband equipment's shall operate at L-Band".</p> <p>The Hub baseband is offering the L-band interface since the L-band covers the wide range of frequencies as compared to IF level, and since POLNET is also changing the up converter and down converter under the scope of this RFP, Keeping the base band at IF level will add another set of IF to L band converters which is adding another point of failure in the network.</p>	<p><b>Decision of MHA.</b></p> <p>IF or L Band. However bidder must ensure integration of existing baseband at IF level with the New/Proposed baseband at IF/L Band level.</p>
26.	<p><b>Appendix 2 Section 1</b> Clause 2.1 Page 34 of OTE <b>Existing Clause</b> Baseband is required to accommodate initially 1700 VSATs and Expandable upto 3000 VSAT terminals.</p>	<p><b>M/s HUGHES</b></p> <p>SOR has suggested 105 terminals. The order quantity needs to be clearly mentioned. L1 should be on Total 1700 Remotes for which Rate Contract shall be signed for 2 years. The actual cost of 1700 Remote VSATs will not be obtained from Bidders in</p>	<p><b>Decision of MHA.</b></p> <p>Refer Appendix 10 BOQ</p>

		case the L1 is decided only on 105 Remotes.	
27.	<b>Appendix 2</b> <b>Section 1</b> Clause 2 Page 33 of OTE <b>Existing Clause</b> General Technical Requirement	<b>M/s Millennium</b> The OEM of the Video conferencing equipment's and infrastructure should be Same . Different makes for endpoints & Infrastructure should not be allowed. In case different makes of endpoints and MCU is quoted by the bidder , the BW consumption will be doubled and will lead to capability issues and loss of Features . We request authority to kindly allow the same make for MCU and END Points	<b>Decision of MHA.</b> Refer Clause 2.0 (I) page 33
28.	<b>Appendix 2</b> <b>Section 1</b> Clause 2.0(X) Page 34 of OTE <b>Existing Clause</b> Bidders have to ensure during refurbishment of the 11 Mt Antenna at Hub, the NOCC required parameter are to be maintained.	<b>M/s BECIL</b> This should not be clubbed in this tender as this is a highly uncertain area where the existing Antenna may not have the design life up to the Warranty and AMC period that has to be provided under this contract. All relevant TEC IR for HPA, LNAs Converters etc to be provided.	<b>Decision of MHA.</b> Refer Clause 2.0 (IX) page 34 Of GTE
29.	<b>Appendix 2</b> <b>Section 1</b> Clause 2.1 Page 34 of OTE <b>Existing Clause</b> Each In-route channel may be configurable up to 2Mbps in selectable Steps and out-route channel from 2 Mbps up to 45 Mbps or better without any change/addition in hardware.	<b>M/s BECIL ,M/s TCIL &amp; M/s GILAT</b> The Outbound and Inbound Capacity required has been specified in terms of "Mbps". Since the proposed network is based on DVB-S2 standard where the "Mbps" keeps on varying based on the network conditions which would also vary depending upon no. of	<b>Decision of MHA.</b> <b>Tender Condition Persists</b>



		<p>other factors, such as the Satellite, MODCOD used, coding used etc., So to keep everybody at the same level we suggest to specify the in route and out route capacity in terms of Mbps.</p> <p>We suggest to specify "each In route channel can be configurable upto 2 Mbps in selectable steps and out-route channel from 1.5 Mbps upto 30 Mbps or better". 30 Mbps is sufficient enough to cover full 36 MHz transponder.</p>	
30.	<p><b>Appendix 2</b> <b>Section 1</b> <b>Clause 2.0(XII)</b> Page 34 of OTE <b>Existing Clause</b> For all the offered equipment's there should be a scope of 50% expansion</p>	<p><b>M/s CISCO</b> Kindly confirm and elaborate Please confirm, if all the hardware has to cater to 150% of the requirement. Requesting to please elaborate</p>	<p><b>Decision of MHA.</b> <b>Amendment:</b> <b>For:</b> Existing entries <b>Read:</b> <b>This clause may be treated as deleted.</b></p>
31.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 2.1.4 Page 35 of OTE <b>Existing Clause</b> Out-bound and in-bound must be configurable with step sizes in 1 Kbps or bidder may propose the latest best suited industry standard.</p>	<p><b>M/s HUGHES</b> This spec. is proprietary more applicable to SCPC modems. Proposed spec for Outbound shall be step sizes of 500kbps or better</p> <p><b>M/s BECIL ,M/s TCIL &amp; M/s GILAT</b> The In route channel are configured in pre-defined steps and cannot be configurable in 1 Kbps steps. However outbound is configured in steps of 1 Kbps. So we request to change this clause to read as "Out-bound must be configurable with step sizes in 1 Kbps and In-</p>	<p><b>Decision of MHA.</b>  No Clarification Required</p>



		bound must be configurable in pre-defined step sizes"	
32.	<p><b>Appendix 2</b>  <b>Section 1</b>          Clause 2.1.11          Page 35 of OTE  <b>Existing Clause</b>          Central Server/Servers for management of services viz. Voice, Data and Video.</p>	<p><b>M/s POLYCOM</b>  <b>M/S Millennium</b>          Please confirm the number of Video Conferencing Endpoints which are required to be managed from the central location          Licenses for servers depends on the no of Video Conferencing Endpoints to be managed.</p>	<p><b>Decision of MHA.</b>          Initially for 110 Sites, thereafter as per the supply orders placed.</p>
33.	<p><b>Appendix 2</b>  <b>Section 1</b>          Clause 2.1.7          Page 35 of OTE  <b>Existing Clause</b>          The bidder must propose suitable foolproof, industry standard encryption solution for the traffic over the satellite communication. The proposed Upgradation technology should have in built encryption system for ensuring communication security &amp; also safe guarding the sensible information of Police from unauthorized. The details of the encryption scheme incorporated in the system should be given. In addition the offered technology should also be made compatible to external IP encryptors of indigenous make.</p>	<p><b>M/s ADTL</b>          (i) By the very nature of encryptors the algorithms are different for different manufactures and one encryptor of supplier-A will not normally be compatible with encryptor of supplier-B therefore please remove this condition, as it is not practical to implement. (ii) Whenever external encryptors are used, external TCP/IP accelerators are to be employed. The internal TCP/ accelerator will not be functional during encryption mode. Please add a separate TCP/IP accelerator in section-II, Bill of Material in pages 54, 55, 56.  <b>M/s BEL</b>          To make the system compatible with IP Encryptor, External Network Accelerator shall be required. It is understood that External Network Accelerator is not required to be considered for the Project as the Network</p>	<p><b>Decision of MHA.</b>          Any Additional Equipment (*Hardware And Software ) may be offered to meet the Network Requirement. The same may be included in BOQ</p>



		Accelerator is not mentioned at Section II / Page No. 54-56. Please confirm and clarify.	
34.	<b>Appendix 2</b> <b>Section 1</b> Clause 2.1.24 Page 36 of OTE <b>Existing Clause</b> The new network technology provided at hub should be capable to integrate with other satellite and terrestrial networks	<b>M/s TCIL</b> Please clarify the type of interface required for integration with other satellite and terrestrial networks	<b>Decision of MHA.</b> Refer Clause 2.0 (VI) page 34
35.	<b>Appendix 2</b> <b>Section 1</b> Clause 2.2 Page 36 of OTE <b>Existing Clause</b> <b>NMS feature</b> NMS must be capable of monitoring all the subsystems at the hub as well as the remote VSATs.	<b>M/s TCIL</b> Please clarify whether the NMS envisaged in this tender pertains to only Baseband NMS. There is no requirement for an umbrella NMS for monitoring and control of RF and other equipment's installed at HUB. <b>M/s BEL</b> It is understood that NMS shall be capable of monitoring Hub baseband system along with Remote Baseband System (Satellite Modem). It shall not monitor the UPS & other system. Please confirm & clarify.	<b>Decision of MHA.</b> Refer clause 2.0(IV) page 33
36.	<b>Appendix 2</b> <b>Section 1</b> Clause 2.4 Page 38 of OTE <b>Existing Clause</b> The messaging server should be scalable and should be able to support to at least 3000 users with a space of 1 GB to each user.	<b>M/s BEL</b> It is understood that Messaging server hardware to be provisioned for 3000 users with 1 GB space for each user from Day 1. Please confirm & clarify.	<b>Decision of MHA.</b> No Clarification Required

37.	<p><b>Appendix 2</b>  <b>Section 1</b>          Clause 2.5.1          Page 39 of OTE  <b>Existing Clause</b>          Output of logs generated by call manager should be exported /imported in excel, word, text format</p>	<p><b>M/s CISCO</b>          Please change it to "Output of logs generated by call manager should be exported /imported in excel/ word/text format/PDF/CSV" Multiple leading OEMs support multiple formats like PDF, CSV as well. Hence, in order to ensure leading OEMs are also able to participate, requesting to change the clause accordingly please.</p>	<p><b>Decision of MHA.</b>          Tender Condition Persists</p>
38.	<p><b>Appendix 2</b>  <b>Section 1</b>          Clause 2.5.9          Page 39 of OTE  <b>Existing Clause</b>          Recording to be access through double secure logins and can be replayed on any open standard player.</p>	<p><b>M/s CISCO</b>          Pls. confirm if you are looking for recording of voice calls or Call detailed records.</p>	<p><b>Decision of MHA.</b>          Refer clause 2.5.8 page 39</p>
39.	<p><b>Appendix 2</b>  <b>Section 1</b>          Clause 2.5.13          Page 39 of OTE  <b>Existing Clause</b>          Capable of limiting total bandwidth usage and set maximum per call bandwidth usage with automatic down-speeding if call exceeds per-call maximum</p>	<p><b>M/s CISCO</b>          Request you change this to "Capable of limiting total bandwidth usage and set maximum per call bandwidth" From the pre-bid meeting we understand this is the requirement, Hence, requesting to change the clause accordingly.</p>	<p><b>Decision of MHA.</b>          Tender Condition Persists</p>
40.	<p><b>Appendix 2</b>  <b>Section 1</b>          Clause 2.6.3          Page 39 of OTE  <b>Existing Clause</b></p>	<p><b>M/s POLYCOM</b>          As Video Server has been asked for communication over IP Network only, and there is</p>	<p><b>Decision of MHA.</b>          Refer Clause 2.0 (IX) page 34</p>



	The Video Server should be compatible with SIP protocol and conform to TEC-IR in this regard.	no requirement for connectivity on PSTN, hence TEC-IR is not required. <i>TEC-IR is required for Telephony/PSTN network.</i>	
41.	<b>Appendix 2</b> <b>Section 1</b> Clause 2.5.12 Page 39 of OTE <b>Existing Clause</b> Registration of SIP aliases and services. Support at least 10000 registered devices.	<b>M/s BEL</b> It is understood that Call Manager hardware should be able to support 10000 registered devices. Please confirm the nos. of software licenses to be provisioned initially to support registered devices.	<b>Decision of MHA.</b> Tender Condition Persists
42.	<b>Appendix 2</b> <b>Section 1</b> Clause 2.6.3 Page 39 of OTE <b>Existing Clause</b> The Video Server should be compatible with SIP protocol and conform to TEC-IR in this regard.	<b>M/s Millennium</b> As Video Server has been asked for communication over IP Network only, and there is no requirement for connectivity on PSTN, hence TEC-IR is not required. TEC-IR is required for Telephony/PSTN network.	<b>Decision of MHA.</b> Refer Clause 2.0 (IX) page 34
43.	<b>Appendix 2</b> <b>Section 1</b> Clause 4 Page 41 of OTE <b>Existing Clause</b> SSPA 750W SOLID STATE POWER AMPLIFIER (SSPA) (1+1) / Travelling Wave Tube Amplifier (TWTA) Hot standby Configuration to cater to the Technical requirements mentioned above with a scope for augmenting the Network to Multi Transponder	<b>M/s TCIL</b> Please clarify whether the SSPA required shall be outdoor or indoor mounted.  <b>M/s BEL</b> It is understood the SSPA, Up converter & Down converter are required for indoor application.	<b>Decision of MHA.</b>  <b>Refer Clause 2.0 (i) page 33</b>

	environment, Preferably to the extent of twice of the requirements being proposed. The proposed HPA with the auto change over switch is to be operated in C Band .  SSPA Amplifier must comply the latest applicable TEC IR.		
44.	<b>Appendix 2</b> <b>Section 1</b> Clause 4.6.3 Page 42 of OTE <b>Existing Clause</b> NMS (Hardware & Software) along with Heavy Duty printer In 1:1 Redundancy for 24x7 operation.	<b>M/s TCIL , M/s BEL &amp; M/s ADTL</b> Please specify the specifications of the heavy duty printer required.	<b>Decision of MHA.</b> Monochrome Laser , Print Speed : Minimum 45 PPM, Paper Size : A4 & A3, Connectivity : Ethernet LAN (RJ 45)& USB , Processor : Minimum 1 GHz, Memory: Minimum 1.5 GB Power : 230 V
45.	<b>Appendix 2</b> <b>Section 1</b> Clause 4.6.4 Page 42 of OTE <b>Existing Clause</b> Band of operation - C Band	<b>M/s BEL ,M/s ADTL</b> It is understood that Band of operation of Baseband system shall be either IF or L Band. Please clarify.	<b>Decision of MHA.</b> IF or L Band. However bidder must ensure integration of existing baseband at IF level with the New/Proposed baseband at IF/L Band level
46.	<b>Appendix 2</b> <b>Section 1</b> Clause 4.6.1 Page 42 of OTE <b>Existing Clause</b> Out Routes Modems in 1:1 Redundancy	<b>M/s HUGHES</b> Kindly request this specification to be made N:1 to allow more OEM participation	<b>Decision of MHA.</b> Tender Condition Persists
47.	<b>Appendix 2</b> <b>Section 1</b> Clause 4.6.2 Page 42 of OTE	<b>M/s HUGHES</b> The in-route demodulator requirement can be met with less than 5 demods and hence	<b>Decision of MHA.</b> Tender Condition Persists




	<p><b>Existing Clause</b> Inroutes demodulators in 5:1 Redundancy or better</p>	<p>request you to kindly amend this specification as 4:2 which will be a better specification compared to 5:1</p>	
48.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 4.6.2 Page 42 of OTE <b>Existing Clause</b> Inroute Demodulators in 5:1 Redundancy or better</p>	<p><b>M/s TECHNOSAT &amp; M/s TCIL</b> Demodulators support multiple inbounds, please clarify number of demodulators and number of inbounds with required capacity</p>	<p><b>Decision of MHA.</b> Network is to be configured with 1 Outroute Configurable from 8 Mbps to 45 Mbps and 12 Inroutes Configurable up to 2 Mbps .</p>
49.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 4.6.4(13) Page 43 of OTE <b>Existing Clause</b> Return Link: IFL Interface: IFL cable of 150 feet or more. It Should meet the Network requirement to interconnect the Hardware's with minimal losses.</p>	<p><b>M/s HUGHES</b> L-Band Interface to be allow as latest technology basebands are coming with L-Band Interface only.</p>	<p><b>Decision of MHA.</b> IF or L Band. However bidder must ensure integration of existing baseband at IF level with the New/Proposed baseband at IF/L Band level.</p>
50.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 4.6.4 Page 43 of OTE <b>Existing Clause</b> Air interface DBV-S2 with ACM</p>	<p><b>M/s HUGHES</b> Typographical error: Shall be DVB-S2. Kindly rectify.</p>	<p><b>Decision of MHA. Amendment:</b> <b>For:</b> Existing entries <b>Read:</b> <b>DBV-S2 May be read as DVB-S2</b></p>
51.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 4.6.4 Page 43 of OTE <b>Existing Clause</b> Forward Link: Modulation: BPSK, QPSK, 8-PSK or better industry standard scheme to meet the requirement.</p>	<p><b>M/s HUGHES</b> BPSK is compatible with older PAMA based systems. For most current DAMA systems Modulation offered is QPSK, 8PSK or better since it offers better spectral efficiencies than BPSK. Kindly modify</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>

52.	<p><b>Appendix 2</b>  <b>Section 1</b>          Clause 4.6.4          Page 43 of OTE  <b>Existing Clause</b>          Forward Channel Data Rate:          Min 1Mbps and maximum          upto 45 Mbps or better.</p>	<p><b>M/s BECIL</b>  <b>M/s TCIL &amp; M/s GILAT</b>          Since the proposed network is based on DVB-S2 standard where the "Mbps" keeps on varying based on the network conditions which would also vary depending upon no. of other factors, such as the Satellite, MODCOD used, coding used etc., So to keep everybody at the same level we suggest to specify outroute capacity in terms of Mbps. We suggest to specify "Forward channel capability from 1.5 Mbps upto 30 Mbps or better". 30 Mbps is sufficient enough to cover full 36 MHz transponder.</p>	<p><b>Decision of MHA.</b>          No Clarification Required</p>
53.	<p><b>Appendix 2</b>  <b>Section 1</b>          Clause 4.6.4          Page 43 of OTE  <b>Existing Clause</b>          Return link Data Rate: Bidder to suggest suitable data rate to match Forward Link Data rate.</p>	<p><b>M/s BECIL , M/s TCIL</b>  <b>M/s GILAT</b>          We request POLNET to clearly specify the Capacity of the Inbound channels required (No. of Inbound channels required, Size of each Inbound channel in terms of Mbps) in order to avoid any mis-interpretation and to keep everybody at the same level.</p>	<p><b>Decision of MHA.</b>          Network is to be configured with 1 out route Configurable from 8 Mbps to 45 Mbps and 12 In routes Configurable up to 2 Mbps .</p>
54.	<p><b>Appendix 2</b>  <b>Section 1</b>          Clause 4.6.4          Page 43 of OTE  <b>Existing Clause</b>          Environmental Specifications:          Indoor Unit Operating</p>	<p><b>M/s BECIL ,</b>  <b>M/s TECHNOSAT</b>  <b>M/s TCIL</b>  <b>M/s BEL</b>  <b>M/s GILAT</b>          •This seems to be Typo Error.          • We request to change the specifications for Hub</p>	<p><b>Decision of MHA.</b>          Refer clause 2.0(V) page 34</p>



	Temperature: -10deg.C to 30deg.C	Operating Temperature to "0°C to 30°C".	
55.	<b>Appendix 2</b> <b>Section 1</b> Clause 4.10.2 Page 44 of OTE <b>Existing Clause</b> At star location bidder has to offer equipment for video conferencing HD quality with 5 concurrent sites	<b>M/s CISCO</b> At star location bidder has to offer equipment for video conferencing HD quality with 4 concurrent sites. From the pre-bid meeting, we understand that same is the requirement. Kindly confirm on the same.	<b>Decision of MHA.</b> Initiator should be able to conference with 4 sites.
56.	<b>Appendix 2</b> <b>Section 1</b> Clause 4.10.1 Page 44 of OTE <b>Existing Clause</b> At Hub bidder has to offer equipment for video conferencing HD quality with 40 concurrent sites	<b>M/s Polycom</b> <b>M/s Millennium</b> Please clarify the HD Resolution - HD720p30fps or HD1080p30fps. MCU will be supplied accordingly We request the authority to consider HD 1080p30fps resolution on MCU for better Video Quality and clarity.	<b>Decision of MHA.</b> Tender Condition Persists
57.	<b>Appendix 2</b> <b>Section 1</b> Clause 4.10.4 Page 44 of OTE <b>Existing Clause</b> Standards And Protocol : H.263, H.264 etc. or better	<b>M/s Polycom</b> <b>M/s Millennium</b> We request the authority to consider H.264 high Profile/H.265 as mandatory protocols H.264 High Profile/H.265 are the latest Video Compression Protocols, which reduce the requirement of Bandwidth by up to 50%. We request this feature should be part of star & Hub MCU as well as all the endpoints	<b>Decision of MHA.</b> Tender Condition Persists
58.	<b>Appendix 2</b>		





	<p><b>Section 1</b> Clause 4.10.4 Page 44 of OTE</p> <p><b>Existing Clause</b> Resolution: The system should support video resolution from 4CIF (Common Intermediate format), VGA, SVGA, 720P, 1080p @ 15 fps. The PC resolution should be 1080P.</p>	<p><b>M/s Polycom</b> <b>M/s Millennium</b></p> <p>We request the authority to consider resolution up to Full HD 1080p with 60 fps on the endpoints. Full HD 1080p 60 fps is the highest resolution supported by endpoints and is available with all OEMs, hence we request the authority to consider the latest product with highest resolution.</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>
59.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 4.10.4 Page 44 of OTE</p> <p><b>Existing Clause</b> Frame Rate: Minimum 15 fps or better</p>	<p><b>M/s Polycom</b> <b>M/s Millennium</b></p> <p>We request the authority to consider resolution with minimum 60 fps on the endpoints. 60 fps is the highest frame rate supported by endpoints and is available with all OEMs, hence we request the authority to consider the latest product with highest frame rate.</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>
60.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 4.12 Page 45 of OTE</p> <p><b>Existing Clause</b> UPS: 5 KVA Battery Backup - 30 Minutes on full rated load</p>	<p><b>M/s TCIL</b></p> <p>It is requested to kindly Specify VAH for the required backup i.e. 30 minutes as this will help in bringing all vendors to uniform level. Also, it is requested to kindly specify detailed technical specification for 5 KVA UPS. Whether 4 modules are mandatorily to be catered to or bidder can propose better configuration</p>	<p><b>Clarification by MHA.</b> Refer Clause 4.12 page 45</p>
61.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 4.11.1 Page 45 of OTE</p> <p><b>Existing Clause</b></p>	<p><b>M/s CISCO</b> <b>M/s POLYCOM</b> <b>M/s Millennium</b></p> <p>3.5" or more monochrome IP Phone We understand that</p>	<p><b>Decision of MHA.</b> <b>Amendment:</b> <b>For:</b> Existing entries <b>Read:</b></p>

	3.5" Colour LCD	a video endpoint is at is being asked at each and every location, and the IP Phone would only be utilized for the Calling/Voice functionality. Hence, requesting to please change it to monochrome level IP Phone	Minimum 3.5" Color Display
62.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 4.11.1 Page 45 of OTE</p> <p><b>Existing Clause</b> Codec MPEG4/SP ,MP3, G.711 (A-Law and <math>\mu</math>-law) ,G.711,G.726 (16/24/32/40 kbps) ,G.729, G.729A, G.726-32 etc.</p>	<p><b>M/s CISCO/</b> <b>M/s Millennium</b> G.711 ,G,723, G.728, G.729 These are the latest standards which are supported by all the leading OEMs. Hence, requesting to change the same please</p> <p><b>M/s POLYCOM</b> Codecs: G.711 (A-Law and <math>\mu</math>-law) ,G.711, G.729/G.729AB etc. MPEG4/SP is a Video Compression standard and Is not supported by IP Phones, hence we request the authority to please remove the same.</p> <p>G.726 (16/24/32/40 kbps), G.726-32 are specific to one OEM and is not widely supported. Hence we request the authority to consider generic Audio Standards and remove them. G.729AB is a subset of G.729, hence we request the authority to consider it as an option along with G.729.</p>	<p><b>Clarification by MHA.</b></p> <p>Tender Condition Persists</p>
63.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 4.11.1 Page 45 of OTE</p> <p><b>Existing Clause</b></p>	<p><b>M/s CISCO</b> Requesting to please confirm on the power availability for the IP Phones, accordingly the</p>	<p><b>Decision of MHA.</b></p> <p>Tender Condition Persists</p>

	PoE (Power over Ethernet) or 230VAC +/- 10%	Power or PoE readiness would be proposed. In case PoE power is to be utilized for the IP Phone power up, bidder needs to factor the PoE switch at each location. Kindly confirm on the same. In case, RAW power for IP Phones would be available, power adaptor needs to be positioned by the bidder. Kindly confirm on the requirement.	
64.	<b>Appendix 2 Section 1</b> Clause 4.10(4) Page 45 of OTE <b>Existing Clause Camera</b> 10x Zoom optical or better.	<b>M/s POLYCOM/ M/s Millennium</b> We request to change it to 12x Zoom optical or better With higher optical zoom, farthest participant can be captured with better quality.	<b>Decision of MHA.</b>  Tender Condition Persists
65.	<b>Appendix 2 Section 1</b> Clause 4.10(4) Page 45 of OTE  <b>Existing Clause Camera</b> 2 x 360° voice pickup microphone.	<b>M/s POLYCOM/ M/s Millennium</b> We request to consider support of at least 4 mics, however 2 can be supplied day one More microphones may be required in a conference room for better coverage of the participants. Hence support for the same should be considered.	<b>Decision of MHA.</b>  Tender Condition Persists
66.	<b>Appendix 2 Section 1</b> Clause 4.12.1 Page 45 of OTE <b>Existing Clause</b>  Modular UPS in fail safe mode with a common output bus, each module of 5KVA	<b>M/s BEL</b> It is understood that only 4 Nos. of 5 KVA UPS modules are required and no	<b>Decision of MHA.</b>  Refer Clause 4.12 Page 45



	with independent battery bank with total no. of <i>minimum</i> 4 modules. UPS should share the load in parallel and Hot swappable configuration. UPS is meant for supporting all the power requirements of the Hub and its peripheral equipment's. Bidder <i>shall</i> propose a better option if any in case of power requirement and redundancy.	additional module to be provisioned for redundancy.	
67.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 4.14 Page 47 of OTE</p> <p><b>Existing Clause</b> <b>Measuring and Monitoring Instrument and Tool Kit for HUB:-</b> Bidder shall propose appropriate real time video, voice and data call monitoring devices with details specifications and feature</p>	<p>M/s TCIL / M/s BEL / M/s ADTL</p> <p>Please clarify the requirement of the monitoring tool.</p>	<p><b>Decision of MHA.</b> No Clarification Required</p>
68.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 4.17 Page 48 of OTE</p> <p><b>Existing Clause</b> 05 Fly Away VSATs in C band operation within 110 VSATs along with HUB equipment. The Fly Away VSAT system should be highly portable, compact, light-weight, and easily assemblable in short time with minimum manpower. The antenna reflector should be foldable / segmented in 2 or 4 piece in light weight material like</p>	<p>M/s BECIL / M/s BEL</p> <p>Any limitations of number of boxes and weight for the Flyaway Terminals.</p>	<p><b>Decision of MHA.</b> <b>Amendment:</b> <b>For:</b> Existing entries <b>Read:</b> The Following may be added to the Clause 4.17</p> <p>I. Antenna Size 1.2 M (Max ), Entire system must be portable by road , rail or air. II. The entire system must be packed in 4 boxes.</p>

	<p>glass fiber reinforced with compact pedestal. The system should have seamless connectivity of all services of the network with other terminals and system should operate on mains/battery</p>		<p>III. Should be easily be deployed by two person in less than 15 Minutes.  IV. Total weight of the system should not exceed 50 Kg excluding accessories.  V. Tracking Auto.  VI. BUC size as per the Link Engineering to meet the Network requirements.</p>
69.	<p><b>Appendix 2</b>  <b>Section 1</b>  Clause 5.2.2  Page 49 of OTE  <b>Existing Clause</b>  <b>Radio Frequency Transceiver (RFT) / Block Up Convertor(BUC)</b>  RF O/P Power: 5/10W  Power Output Stability : 0.5dB or better</p>	<p><b>M/s BECIL / M/s TCIL</b>  We request to change this clause to "2 dB or better" This will not affect the VSAT performance and is sufficient for satisfactory VSAT operation without any operational issues.  <b>M/s BEL</b>  Please clarify the quantity of 5W &amp; 10W BUC separately. as it is not mentioned at Section II / Page No. 54-56 It is understood that RF Power of 5W or 10W is at P1 dB  Please confirm &amp; clarify.</p>	<p><b>Decision of MHA.</b>  BUC / RFT : 10 Watt</p>
70.	<p><b>Appendix 2</b>  <b>Section 1</b>  Clause 5.2.2  Page 49 of OTE  <b>Existing Clause</b>  Radio Frequency Transceiver (RFT) / Block Up Convertor(BUC)</p> <p>RFT / BUC to cater to the Technical requirements mentioned above with a scope for augmenting to the extent of twice of the</p>	<p><b>M/s BECIL</b>  What is this requirement, please provide details.</p>	<p><b>Decision of MHA.</b>  No Clarification Required</p>

	requirements being proposed. The proposed RFT / BUC should conform to the statutory guidelines of Government of India.		
71.	<b>Appendix 2 Section 1</b> Clause 5.2.2 Page 49 of OTE <b>Existing Clause</b> RFT / BUC VSWR : 1.25:1	<b>M/s BECIL / M/s TCIL / M/s GILAT</b> We request to change the VSWR requirements for 20W BUC to "2.5:1"	<b>Decision of MHA. Amendment:</b> <b>For:</b> Existing entries <b>Read:</b> VSWR for RFT: = 1.25:1 and for BUC: 2.5:1
72.	<b>Appendix 2 Section 1</b> Clause 5.3.2 Page 49 of OTE <b>Existing Clause</b> <b><u>Low Noise Block (LNB)</u></b> LNB : VSWR: 1.25:1	<b>M/s BECIL / M/s TCIL / M/s GILAT</b> We request to change the VSWR requirements for LNB to "2.5:1" This will not affect the VSAT performance and is sufficient for satisfactory VSAT operation without any operational issues..	<b>Decision of MHA.</b> VSWR for RFT: = 1.25:1 and for BUC: 2.5:1
73.	<b>Appendix 2 Section 1</b> Clause 5.4.2(2) Page 50 of OTE <b>Existing Clause</b> Modulation VSAT Modem: Modulation: BPSK, QPSK, 8-PSK or better industry standard scheme to meet the requirement	<b>M/s HUGHES</b> BPSK is compatible with older PAMA based systems . For most current DAMA systems. Modulation offered is QPSK, 8PSK or better since it offers better spectral efficiencies than BPSK. Kindly modify	<b>Decision of MHA.</b> Tender Condition Persists
74.	<b>Appendix 2 Section 1</b> Clause 5.4.2(9) Page 50 of OTE <b>Existing Clause</b> Physical Interface No. of Ports : Minimum two	<b>M/s BECIL / M/s GILAT</b> Please clarify that the VSAT modem needs to have minimum "One" LAN Port. <b>M/s TECHNOSAT/ M/s TCIL</b>	<b>Decision of MHA.</b> Minimum 04 LAN Port ( RJ 45) to be provided either inbuilt or through External Switch.



	Ethernet port - LAN RJ45 one Standard Configuration port	We recommend to have minimum 8 port switch at each site because each remote location shall support Voice, Video and other services & with switch at each site, remote modem with single Ethernet port shall be enough. Also latest VSAT modems support web based configuration via Ethernet port so configuration port shall not be mandatory. Please clarify.	
75.	<b>Appendix 2</b> <b>Section 1</b> Clause 5.4.2(9) Page 50 of OTE <b>Existing Clause</b> Physical Interface Port Speeds : 10/100 Mbps 9.6 Kbps for USB	<b>M/s BECIL / M/s TCIL / M/s GILAT</b> There is no USB interface required in the VSAT modem, So We request to delete "9.6 Kbps for USB" from this clause.	<b>Decision of MHA.</b> USB port may be treated as optional.
76.	<b>Appendix 2</b> <b>Section 1</b> Clause 5.4.2(5) Page 50 of OTE <b>Existing Clause</b> Coding: 1/2, 2/3, 4/5 or any other efficient code with LDPC	<b>M/s TECHNOSAT / M/s TCIL</b> Inbound coding better than LDPC are available so it should be amended as LDPC or better than LDPC coding for inbound should be provided	<b>Decision of MHA.</b> <b>Amendment:</b> <b>For:</b> Existing entries <b>Read:</b> The following may be added: Coding: 1/2, 2/3, 4/5 or any other efficient code with LDPC or any better Industry standard scheme to meet the requirement.
77.	<b>Appendix 2</b> <b>Section 1</b> Clause 5.8.1(1) Page 51 of OTE <b>Existing Clause</b>	<b>M/s POLYCOM / M/s Millennium</b> Display:2.5"Color/Grey Scale LCD As the phone is	<b>Decision of MHA.</b> Minimum 3.5" Colour Display



	<p><b>IP Phone</b> Display : 3.5" Color LCD</p>	<p>required just for Audio Telephony, hence bigger screen size or color display are not required. Hence we request authority to consider 2.5" Greyscale display, which will also reduce the cost</p>	
78.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 5.8.1(3) Page 51 of OTE <b>Existing Clause</b></p> <p><b>IP Phone</b> Codecs: MPEG4/SP ,MP3, G.711 (A-Law and <math>\mu</math>-law) ,G.711 ,G.726 (16/24/32/40 kbps) ,G.729, G.729A, G.726-32 etc.</p>	<p><b>M/s POLYCOM</b> <b>M/s Millennium</b> Codecs: G.711 (A-Law and <math>\mu</math>-law), G.711, G.729/G.729AB etc. MPEG4/SP is a Video Compression standard and Is not supported by IP Phones, hence we request the authority to please remove the same.</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>
79.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 5.9.1(1B) Page 51 of OTE <b>Existing Clause</b> Standards And Protocol : H.263, H.264 etc. or better</p>	<p><b>M/s POLYCOM</b> We request the authority to consider H.264 high Profile/H.265 as mandatory protocols H.264 High Profile/H.265 are the latest Video Compression Protocols, which reduce the requirement of Bandwidth by upto 50%. We request this feature should be part of star &amp; Hub MCU as well as all the endpoints.</p>	<p><b>Clarification by MHA.</b> Tender Condition Persists</p>
80.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 5.9.1(1C) Page 51 of OTE <b>Existing Clause</b> The system should support video resolution from 4CIF (Common Intermediate</p>	<p><b>M/s POLYCOM</b> <b>M/s Millennium</b> We request the authority to consider resolution upto Full HD 1080p with 60 fps on the endpoints Full HD 1080p</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>



	format), VGA, SVGA, 720P, 1080p @ 15 fps. The PC resolution should be 1080P.	60 fps is the highest resolution supported by endpoints and is available with all OEMs, hence we request the authority to consider the latest product with highest resolution.	
82.	<b>Appendix 2</b> <b>Section 1</b> Clause 5.9.1(1D) Page 51 of OTE <b>Existing Clause</b> Frame Rate Minimum 15 fps or better	<b>M/s POLYCOM</b> <b>M/s Millennium</b>  We request the authority to consider resolution with minimum 60 fps on the endpoints 60 fps is the highest frame rate supported by endpoints and is available with all OEMs, hence we request the authority to consider the latest product with highest frame rate.	<b>Decision of MHA.</b> Tender Condition Persists
82.	<b>Appendix 2</b> <b>Section 1</b> Clause 5.9.1(4G) Page 52 of OTE <b>Existing Clause</b> Camera 10x Zoom optical or better.	<b>M/s POLYCOM</b> <b>M/s Millennium</b>  We request to change it to 12x Zoom optical or better With higher optical zoom, farthest participant can be captured with better quality.	<b>Decision of MHA.</b> Tender Condition Persists
83.	<b>Appendix 2</b> <b>Section 1</b> Clause 5.9.1(4I) Page 52 of OTE <b>Existing Clause</b> Camera 2 x 360° voice pickup microphone.	<b>M/s POLYCOM</b> <b>M/s Millennium</b>  We request to consider support of at least 4 mics, however 2 can be supplied day one More microphones may be required in a conference room for better coverage of the participants. Hence support for the same should be considered.	<b>Decision of MHA.</b> Tender Condition Persists

84.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 5.9.1(5a) Page 53 of OTE <b>Existing Clause</b> The MCU must be provided with all the necessary accessories to integrate system in Industrial Standard Rack.</p>	<p><b>M/s POLYCOM</b> <b>M/s Millennium</b> In our case Multiparty upto 5 party is supported by Video Conferencing Endpoint itself and there is no need for a separate rack mountable MCU. Hence The Rack Mounted MCU should be supplied only by OEMs who do not support 5 Party MCU on their endpoints</p>	<p><b>Decision of MHA.</b> The solution may be either Hardware or Software based. Rest Tender Condition Persists.</p>
85.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 5.9.1(5b) Page 53 of OTE <b>Existing Clause</b> The MCU should be capable of handling minimum 5 party video conference as per open standards. Should have provision for recording the conferencing and archiving with Date and Time Stamping for a finite period</p>	<p><b>M/s POLYCOM</b> <b>M/s Millennium</b> Date and Time Stamping is not supported by any Recording Device. We request the authority to remove the Date and Time Stamping from the clause.</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>
86.	<p><b>Appendix 2</b> <b>Section 2</b> Page 54 of OTE <b>Existing Clause</b> Radio Frequency Transceiver</p>	<p><b>M/s TCIL</b> Please specify the quantity required for 5W and 10W BUC.</p>	<p><b>Decision of MHA.</b> BUC / RFT : 10 Watt</p>
87.	<p><b>Appendix 2</b> <b>Section 2</b> (A) Srl no. 8 Page 54 of OTE <b>Existing Clause</b> Integrated Single NMS (Both Hardware &amp; Software ) For both Star &amp; Mesh Network in Hot Redundancy</p>	<p><b>M/s HUGHES / M/s TCIL</b> <b>M/s BEL/TECHNOSAT</b> Since the requirement is for Complete Star Network, Request you to kindly amend this requirement to Star Only in place of Star and Mesh Network.</p>	<p><b>Decision of MHA.</b> <b>Amendment:</b> <b>For:</b> Existing entries <b>Read:</b> Integrated Single NMS (Both Hardware &amp; Software ) For Star Network in Hot Redundancy</p>



88.	<p><b>Appendix 2</b>  <b>Section 2</b>  (B) Srl no. 10  Page 55 of OTE  <b>Existing Clause</b>  Multi Control Unit (MCU) for handling 05 Party Video Conferencing - 40 Nos</p>	<p><b>M/s POLYCOM</b>  <b>M/s Millennium</b>  Please clarify - in case the endpoint itself supports 5 party conference, so the endpoints at 40 locations need to be supplied with 5 party conferencing option. In this case there will be no physical MCU present at location, but the license enabled on the Endpoint.</p>	<p>The solution may be either Hardware or Software based.  Rest Tender Condition Persists.</p>
89.	<p><b>Appendix 2</b>  <b>Section 2</b>  Page 55 of OTE    <b>Existing Clause</b>  Schedule of Requirements(B)</p>	<p><b>M/s BEL</b>  The list of items mentioned here are only for 105 nos. of static VSAT sites. No deliverables (Modem, BUC, LNB, data Terminal, UPS etc) are catered for fly away terminal. Please clarify.</p>	<p><b>Decision of MHA.</b>  Tender Condition Persists</p>
90.	<p><b>Additional Clause</b></p>	<p><b>M/s CISCO</b>  Request you to add 2 Lines in the Phone To ensure the detailing like Caller ID, Directory numbers etc. are visible on the IP Phone screen, kindly elaborate on the number of lines support required on the IP Phone. The recommendations are 2 lines.</p>	<p><b>Decision of MHA.</b>  Tender Condition Persists</p>
91.	<p><b>Additional Clause</b></p>	<p><b>M/s CISCO</b>  Request you to add IPV4 and IPV6 From the functional requirement, we understand that all the IP enabled devices have to be ipv4 and ipv6 ready. Kindly confirm the same for IP Phone as well.</p>	<p><b>Decision of MHA.</b>  Tender Condition Persists</p>

92.	<b>Additional Clause</b>	<b>M/s CISCO</b> Video conferencing endpoint and MCU should be from same OEM To ensure seamless integration between the endpoint and MCU, and to ease O&M, this clause should be a mandatory ask.	<b>Decision of MHA.</b> Tender Condition Persists
93.	<b>Additional Clause</b>	<b>M/s CISCO</b> The system should be based on open standards and codec. Camera should have PTZ control facility with a Omni directional MIC, remote control, cable and power supply etc. To ensure seamless integration between the endpoint and MCU, and to ease O&M, this clause should be a mandatory ask.	<b>Decision of MHA.</b> Refer Clause 2.0(l) page 33
94.	<b>Additional Clause</b>	<b>M/s CISCO</b> The camera, codec and Microphone should be from same OEM To ensure seamless integration between the endpoint and MCU, and to ease O&M, this clause should be a mandatory ask.	<b>Decision of MHA.</b> Refer Clause 2.0(l) page 33
95.	<b>Additional Clause</b>	<b>M/s CISCO</b> Requesting to please add "All the proposed Networking components at the HUB should be proposed in Redundancy (1+1)"	<b>Decision of MHA.</b> Tender Condition Persists
96.	<b>Additional Clause</b> <b>IMPORTANT INSTRUCTIONS TO THE TENDERER</b>	<b>M/s POLYCOM</b> <b>M/s Millennium</b>	<b>Decision of MHA.</b> Tender Condition Persists



		For Video Conferencing Equipment's - we request the authority to consider "The OEM of the Video Conferencing equipment should be present in India for last 10 years" As this requirement is for Prestigious Project, we request the authority to consider OEM with 10 year presence in India.	
97.	<p><b>Annexure-IV,</b> special conditions of the tender enquiry Clause 3.1 and <b>Appendix-2,</b> Training Requirements, Clause 3.0 Page 23 &amp; 40 of OTE</p> <p><b>Existing Clause</b> Training program of operation &amp; management of HUB: (i) System Administration and management at consignee's location i.e. at Hub site to sufficient numbers of officials i.e. two batches each of 15 officials. (ii) Operation and first level Maintenance at Hub</p>	<p><b>M/s TCIL</b> <b>M/s TECHNOSTAT</b> We understand that same team of 15 officials shall be responsible for administration &amp; Management as well as Operation &amp; first level Maintenance of Hub so one training of Operation &amp; management covering (i) and (ii) both shall be enough. Please clarify</p>	<p><b>Decision of MHA.</b> No Clarification Required</p>
98.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 2(VIII) &amp; Clause 2.2.7 at Page 34 &amp; at 37 of OTE</p> <p><b>Existing Clause</b> Hub should have facility to configure dynamically the video/voice/data link in PAMA or DMA as per</p>	<p><b>M/s TECHNOSTAT</b> <b>M/s TCIL</b> DVB-S2/DVB-S2x outbound and MF-TDMA does not support PAMA or DAMA technology however requirements as indicated in 2.1.5 and 2.1.6 like bandwidth on demand, committed information rate, constant bandwidth allocation, sticky CIR, application wise</p>	<p><b>Decision of MHA.</b> <b>Amendment:</b> <b>For:</b> Existing entries <b>Read:</b> <b>Referred clauses may be treated as deleted.</b></p>



	requirement from Point to point or point to Multi-point	bandwidth etc which are part of latest QoS & shall provide flexibility to allocate bandwidth and communication link as per requirement. Please clarify	
99.	<p><b>Appendix 2</b> <b>Section 1</b> Clause 2.0, Network at page 34 Clause: 2.1, Baseband Equipment And Clause 4.6 <b>Existing Clause</b> Each in-route channel may be configurable upto 2 Mbps in selectable steps and out-route channel from 2 Mbps upto 45 Mbps or better without any change/addition in hardware. Forward Link: Data Rate: Min 1 Mbps and maximum upto 45 Mbps or better</p>	<p><b>M/s TECHNOSTAT/ M/s TCIL</b></p> <p>latest platform DVB-S2x support higher symbol rate upto 110 Mbps and higher MODCODs upto 256 APSK to support upto 500 Mbps at outbound &amp; more FEC rates than DVB-S2 to provide efficient network however as DVB-S2x designed for larger outbound so lower data rate supported with DVB-S2x is 5 Mbps only (i.e. 4 Mbps with lowest MODCOD). We understand that POLNET network require larger outbound than 5 Mbps so we request to change the minimum requirements from 2 Mbps tp to 5Mbps to enable bidders to offer latest DVB-S2x platform also.</p>	<p><b>Decision of MHA.</b></p> <p>Network is to be configured with 1 Out route Configurable from 8 Mbps to 45 Mbps and 12 Inroutes Configurable up to 2 Mbps .</p>
100.	<b>Additional Clause</b>	<p><b>M/s BEL</b></p> <p>Please confirm the Input &amp; Output frequency of Hub Baseband System (IF or L Band)</p>	<p><b>Decision of MHA.</b></p> <p>IF or L Band</p>
101.	<b>Additional Clause</b>	<p><b>M/s CISCO</b></p> <p>Request you to add XML support on phones. To ensure that the text based applications are accessible by</p>	<p><b>Decision of MHA.</b></p> <p>Tender Condition Persists</p>

		the proposed IP Phone, XML support is needed.	
102.	<b>Additional Clause</b>	<b>M/s CISCO</b> Request you to add that IP Phones and Call Manager SIP PBX should be from same OEM To ensure seamless integration between the IP Phones and Call Manager SIP PBX, and to ease O&M, this clause should be a mandatory ask.	<b>Decision of MHA.</b> Refer Clause 2.0(l) page 33
103.	<b>Additional Clause</b>	<b>M/s CISCO</b> Requesting to add the clause "The networking components should be a leader in the Latest Gartner Reports for the respective products"	<b>Decision of MHA.</b> Tender Condition Persists
104.	<b>Additional Clause</b>	<b>M/s CISCO</b> To ensure maximum uptime, requesting to ask for PoE switches at each location. Please add the clause "All the locations should have PoE+ switches, to power on the Camera's and other components"	<b>Decision of MHA.</b> Tender Condition Persists
105.	<b>Additional Clause</b>	<b>M/s BEL</b> As all the indoor systems to be deployed all remote & Hub sites are COTS system, It is understood that environmentally controlled room along with necessary Earthing and Lightning Protection system shall be provided by user. Please confirm & clarify.	<b>Decision of MHA.</b> Any Additional Equipment (*Hardware And Software) may be offered to meet the Network Requirement. The same may be included in BOQ .



106.	<b>Additional Clause</b>	<b>Clarification sought by all Firms during Pre-Bid Meeting</b> To provide the current satellite parameters.	<b>Decision of MHA.</b> The current GSAT-17 satellite parameters are as under. (1) Orbital slot: 93.5 degree east. (2) EIRP in 36 MHz (EoC) (under single carrier saturation): 39-42 dBW. (3) G/T (EoC): (-) 4dB/K. (4) Operational SFD (at current OBA setting): (-)90± 2dBw/sqm. (5) Input/output back-off for multicarrier operation: 2.5dB/1.5dB. (6) Up link frequency range/Polarization: C-Band linear Vertical. (7) Down link frequency range/Polarization: C-Band linear Horizontal.
<b>TECHNO COMMERCIAL POINTS</b>			
<b>SN</b>	<b>Ref. of Para in OTE</b>	<b>Clarification Sought by Rep. of firms</b>	<b>Changes agreed/Not agreed by MHA/Amendment in GTE</b>
107.	Appendix-22 P-86 to 90 of TE. CAMC Contract for Polnet Hub	<b>M/s HUGHES</b> GST Clause to be included	<b>Decision of MHA.</b> Provision of GST has already been catered in price Bid Annexure 22 is a format for CAMC contract. While signing the same all components of price bid including GST will be incorporated in Annexure 22. <b>Hence, No change required at this stage</b>
108.	<b>Annexure-2, Clause 2.1(ii) B at P-7 of OTE Existing Clause</b>	<b>M/S TCIL</b>	<b>Decision of MHA.</b> Tender Condition Persists





	<p>For this tender, OEM (Original Equipment Manufacturer) means Original equipment manufacturer of VSAT equipment.</p> <p>Indian Agents on behalf of the OEM or the OEM itself can bid but both cannot bid simultaneously.</p>	<p>Please confirm that this clause applies for Baseband OEM only. Please confirm whether the OEM for equipment other than baseband system can supply to multiple Bidders/Sl.</p>	
109.	<p><b>Annexure-II , Clause 2(v) at P-7 of OTE</b></p> <p><b>Existing Clause</b> Bidders (OEMs) cannot submit more than one bid/offer through more than One Sole Agent.</p>	<p><b>M/S TCIL &amp; M/S GILAT</b></p> <p>Please confirm if it means One OEM-One bidder. Can One OEM (VSATs) bid with more than one Prime bidder?</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>
110.	<p><b>Annexure-II Clause 2.2 (ii)</b> At Page 8 of OTE</p> <p><b>Existing Clause Qualification Criteria</b> The bidder must have successfully completed minimum two projects of similar nature each having valuing not less than 10 Cr. in last five years.</p>	<p><b>M/S TCIL</b></p> <p>Satcom/VSAT projects are not a regular feature in India. Once a satcom network is established, it runs for a longer duration. Hence, five year period for such big turnkey projects is less. There are very few projects in satcom/VSAT that come up in a period of Five years. It is requested to change the clause as : " Bidder must have successfully completed minimum two projects of similar nature each valuing not less than 10Cr. in last ten years "</p>	<p><b>Comments of Proc Wing :-</b> Tender Condition Persists</p>
111.	<p><b>Annexure-II Clause 2(j) at P-10 of OTE</b></p> <p><b>Existing Clause</b></p>	<p><b>M/S BECIL</b></p> <p>PSU should be exempted from paying EMD irrespective of registration with DGS &amp; D as</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>

	Public sector undertakings/ state undertakings or central/state owned companies are not exempted from the payment of earnest money unless registered with NSIC.	getting registered with DGS & D for any product is a herculean task and this being a turnkey project it is not clear as under which category the registration with DGS & D should be filed. DGS & D norms should be avoided as they are now obsolete under new dynamic market condition and GST regime.	
112.	ANNEXURE – III, Clause 5 At P-17 of OTE <b>Existing Clause</b> <b>Risk Purchase:</b> In the event of a contract being cancelled for any breach committed and the purchaser effecting re-purchase of the stores at the risk and the cost of the contractor, the purchaser is not bound to accept the lower offer of Benami or allied or sister concern of the contractor.	<b>M/s HUGHES</b> Request you to kindly clarify this clause.	<b>Decision of MHA.</b> Tender Condition Persists
113.	ANNEXURE – III, Clause 6 at P-17 of OTE <b>Existing Clause</b> <b>Liquidated Damages (LD): (i)</b> If the contractor fails to deliver the stores or any instalment thereof within the period fixed for such delivery or at any time repudiates the contract before the expiring of such period the purchaser will recover from the contractor liquidity damages including administrative expenses and not by way of penalty a sum	<b>M/s HUGHES</b> We would request you to add the term 'due to reasons solely attributable to the Contractor' in this clause	<b>Decision of MHA.</b> Tender Condition Persists

	<p>equivalent to 0.5 (Half) % of the price of any portion of stores delivered late, for each week or part thereof of delay provided that the total damages so claimed shall not exceed 10% of the total contract price. (ii) In case of any defects in supply or manufacturing or not conforming to technical specifications, observed during survey at consignee's locations or later during the warranty period, seller will be liable to replace the defective store at their cost.</p>		
114.	<p>ANNEXURE – III, Clause 8 at P-17 of OTE <b>Existing Clause</b> <b>PERFORMANCE SECURITY:</b> Successful tenderer will have to submit performance bond @ 10% of contract value within 15 days of issue of Award of contract (A/T) for due performance of the contract valid beyond 180 days of warrantee/Guarantee period and CAMC obligations for 10 years in shape of the Bank Guarantee in the required proforma. The performance guarantee will come into force after the installation and commission. Firm, on their own will have to direct their bankers to extend the performance bond to be valid till warranty/guarantee period.</p>	<p><b>M/s HUGHES</b> We would request you to add the term 'due to reasons solely attributable to the Bidder' in this clause.</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>



	<p>The Performance Security Depository furnished by the successful bidder(s) will be forfeited if they does not perform with respect to terms and condition of the contract and also with respect to terms and condition in the Integrity pact (<b>Appendix-9 of this TE</b>). Successful tenderer <b>will also have to submit Separate performance bond for CAMC.</b></p>		
115.	<p>ANNEXURE – III, Clause 8 at P-17 of OTE <b>Existing Clause</b> <b>PERFORMANCE SECURITY:</b> Successful tenderer will have to submit performance bond @ 10% of contract value within 15 <b>days</b> of issue of Award of contract (A/T) for due performance of the contract valid beyond 180 days of warrantee/Guarantee period and CAMC obligations for 10 years in shape of the Bank Guarantee in the required proforma. The performance guarantee will come into force after the installation and commission. Firm, on their own will have to direct their bankers to extend the performance bond to be valid till warranty/guarantee period. The Performance Security Depository furnished by the successful bidder(s) will be</p>	<p><b>M/s BEL</b>  BEL being a DPSU under Department of Defense Production (MoD). It is requested that indemnity bond sum equal to 10% of Contract value may be accepted in lieu of PBG. please Confirm</p>	<p><b>Decision of MHA.</b>  Tender Condition Persists</p>

	<p>forfeited if they does not perform with respect to terms and condition of the contract and also with respect to terms and condition in the Integrity pact (<b>Appendix-9 of this TE</b>). Successful tenderer <b>will also have to submit Separate performance bond for CAMC.</b></p>		
116.	<p>ANNEXURE – III, Clause 10(a) at P-18 of OTE <b>Existing Clause</b> <b>Dispute Resolution</b> <b>ARBITRATION:</b> In the event of any question, dispute or difference arising under these conditions of contract, or in connection with this contract (except as to any matters the decision of which is specifically provided for by these conditions or the special conditions), the same shall be referred to the sole arbitrator to be appointed by the Secretary, MHA, UOI, New Delhi. It will be no objection that the arbitrator is a Government Servant that he had to deal with the matters to which the contract relates or that in the course of his duties as a Government servant he has expressed views on all or any of the matters in dispute or difference. The award of the arbitrator shall be final and binding on the parties to this contract.</p>	<p><b>M/s HUGHES</b></p> <p>We would request you to kindly accept appointment of arbitrator through mutual consent</p>	<p><b>Decision of MHA.</b></p> <p>Tender Condition Persists</p>

117.	<p>ANNEXURE – III, Clause 13 at P-19 of OTE <b>Existing Clause</b> <b>TRANSFER AND SUB- LETTING:</b> The tenderer has no right to give, bargain, sell, assign or sublet or otherwise dispose of the resultant contract or any part thereof, as well as to give or to let a third party take benefit or advantage of the resultant contract or any part thereof</p>	<p><b>M/s HUGHES</b></p> <p>Request you to kindly confirm if sub-contracting (as understood by the highlighted clause) is allowed</p>	<p><b>Decision of MHA.</b></p> <p>Tender Condition Persists</p>
118.	<p>ANNEXURE – III, Clause 15 at P-19 of OTE <b>Existing Clause</b> Purchaser reserves the right to get the manufacturing capacity of all firms re-verified irrespective of the registration status.</p>	<p><b>M/s HUGHES</b></p> <p>Request you to kindly clarify the methods of reviewing the manufacturing capacity of firms/OEMs. Will the Purchaser visit the manufacturing facilities for review. In such case, does the manufacturer or Bidder bare the cost of visit to OEM facilities which are out of India.</p>	<p><b>Decision of MHA.</b></p> <p>Tender Condition Persists</p>
119.	<p>ANNEXURE – III, Clause 21.1 at P-20 of OTE <b>Existing Clause</b> <b>Fall Clause</b> The prices charged for the stores supplied under the Contract by the Contractor shall in no event exceed the lowest price at which the Contractor sells the Stores or offer to sell stores of identical description to any person(s)/organization(s)</p>	<p><b>M/s Hughes</b></p> <p>This clause should only be applicable in case the Technical Specification, Item Quantity, Scope of Work and any other clause, which can be a driving factor for the quoted price, is exactly the same as</p>	<p><b>Decision of MHA.</b></p> <p>Tender Condition Persists</p>



	including the Purchaser or any Department of the Central Government or any Department of a State Government or any statutory undertaking of the Central or a State Government, as the case may be, during the period till performance of all Supply Orders placed during the currency of Rate Contract is completed.	mentioned in any subsequent RFP.	
120.	<p>ANNEXURE – III, Clause 18 at P-20 of OTE</p> <p><b>Existing Clause</b> TERMINATION OF CONTRACT: The Director, DCPW may without prejudice to any other remedy for breach of contract, by a written notice of default of at least 30 days sent to the supplier/ selected bidder, terminate the contract in whole or in any part including forfeiting of performance security deposit</p>	<p><b>M/s HUGHES</b></p> <p>We would request you to add the following: In the event the contract is terminated if the seller is declared bankrupt or becomes insolvent all amounts accrued prior to such termination shall be paid by the Purchaser to the seller, provided that such termination will not prejudice or affect any right of action or remedy, which has accrued or will accrue thereafter to the Purchaser."</p>	<p><b>Decision of MHA.</b></p> <p>Tender Condition Persists</p>
121.	<p>ANNEXURE – IV, Clause 1 at P-22 of OTE</p> <p><b>Existing Clause</b> <b>THE DELIVERY PERIOD FOR THE STORES:</b> Contractor shall follow the following schedule for executing the contract: Please note that Contract can be cancelled unilaterally by the Buyer in case items are not received</p>	<p><b>M/s TCIL</b></p> <p>The duration given for the supply and delivery of equipment's at sites is less. It is requested that supply and delivery period may be kept at least 6 -8 months after placing the order to the successful Bidder. Also, the delivery time</p>	<p><b>Decision of MHA.</b></p> <p>Tender Condition Persists</p>

	within the contracted delivery period as per schedule given	can only be adhered to if the Client ensures timely availability of frequency license from WPC without which import formalities cannot be carried out. The duration for delivery shall be applicable from the date of availability of necessary WPC licenses by the Client.	
122.	<p>ANNEXURE – IV, Clause 2.1 at P-22 of OTE</p> <p><b>Existing Clause</b> DCPW, Ministry of Home Affairs, New Delhi will place supply order for Central HUB and their 110 VSATs location across the country. Providing up-graded VSATs to State/UT Police and CAPF locations as and when supply order placed by the respective Organization.</p>	<p><b>M/s TCIL</b> It is requested to provide bulk order for saving on time for import and necessary clearances from WPC, SACFA etc. for timely completion of the project. Also, for those stores ordered during the two year rate contract, please mention the period from which the warranty and CAMC be treated as final and effective and from which date.</p>	<p><b>Decision of MHA.</b>  Tender Condition Persists</p>
123.	<p>ANNEXURE – IV, Clause 4.1(b) at P-23 of OTE</p> <p><b>Existing Clause</b> STORES INSPECTION AND ACCEPTANCE: Complete functional checking of the store as per specifications in this contract and as per procedure and tests laid down by Inspection authority/respective consignees.</p>	<p><b>M/s TCIL</b> Please confirm that the test reports for the offered equipment shall suffice for the functional testing. If not, then kindly elaborate on the tests and procedure for checking the stores</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>
124.	<p>Annexure-IV: Clause 5.1(ii)(3) at P- 25 of OTE</p> <p><b>Existing Clause</b></p>	<p><b>M/s TCIL</b> Please clarify the following:</p>	<p><b>Decision of MHA.</b>  <b>Amendment</b></p>



	<p>Payment terms 20% payment will be made on successful installation/commission and training of equipment as a whole. Payment of 100% service charges towards installation/ commissioning and operation of Hub will be released along with 20% payment on pro-rata site basis after completion of work.</p>	<p>1. Payment for hub operations shall be made quarterly/half yearly?? 2. 20% payment on pro-rata site basis is for remote terminals?? If yes, when is the balance payment to be released? 3. Warranty for remote terminals shall be on pro-rata basis <b>for remote sites.</b></p>	<p><b>For : Existing entries</b> <b>Read :</b> Payment for Hub operation shall be Paid Bi-annually after Successful Completion. <b>Rest Tender condition prevails</b></p>
125.	<p><b>Annexure-IV:</b> <b>Clause 5.1(ii)(1)</b> at P-25 of OTE <b>Existing Clause</b> Payment terms 50% payment of stores will be allowed on delivery on said to contain basis on pro-rata basis and submission of performance guarantee for 10% of total contract value valid till warranty period and balance;</p>	<p><b>M/s TCIL</b> Please clarify the duration required for the 10% performance guarantee. Also, please clarify whether separate performance guarantee would be required to be submitted for CAMC period of 7 years.</p>	<p><b>Decision of MHA.</b> Please Refer Clause 8 Performance security page 17 Tender Condition Persists</p>
126	<p><b>ANNEXURE – IV</b> <b>Clause 9.2</b> at P-27 of OTE <b>Existing Clause</b> The Buyer reserves its right to terminate the maintenance contract at any time without assigning any reason after giving a notice of 1 month. The Seller will not be entitled to claim any compensation against such termination. However, while terminating the contract, if any payment is due to the Seller for maintenance services already performed</p>	<p><b>M/s HUGHES</b> We request you to kindly delete or amend this clause as this leads to Termination for convenience. Reason for termination of contract should be made known to the bidder so that the bidder gets the chance to rectify the issues during the cure period of 30 days</p>	<p><b>Decision of MHA.</b> Tender Condition Persists</p>

	in terms of the contract, the same would be paid to it as per the contract terms.		
127.	<b>Additional Clause</b>	<b>M/S BECIL</b> Purchaser to mention the HSN code in the price bid format so as to bring uniformity in the tax rate for all the bidders.	<b>Decision of MHA.</b> This is not the mandate of purchaser.
128.	<b>Additional Clause</b>	<b>M/S BECIL</b> Any make in India preference will be provided in this tender.	<b>Decision of MHA.</b> In pursuance to rule 153(iii) of GFR 2017, Public Procurement (Preference to Make In India Order 2017) will be applicable for finalization of tender.
129.	<b>Additional Clause</b>	<b>M/S BECIL</b> Will the custom duty exemption certificate (CDEC) provided	<b>Decision of MHA.</b> Tender Condition Persists
130.	<b>Additional Clause</b>  Limitation of Liability :	<b>M/s HUGHES</b> Notwithstanding any other provision of this Tender and irrespective of any fault or negligence, neither Party shall be liable to the other for any indirect, reliance, special, punitive, consequential, exemplary or incidental damages (including without limitation damages for harm to business, lost revenues, lost sales, lost savings, lost profits (anticipated or actual), loss of use, downtime, injury to persons or damage to property and claims of third parties), regardless of the form of action, whether in contract, warranty, strict liability or tort (including	<b>Decision of MHA.</b>  Tender Condition Persists



		without limitation negligence of any kind, whether active or passive) or any other legal or equitable theory arising out of or in connection with this Tender including the Services, even if a Party has been advised of the possibility of such damages. In no event shall Bidder be liable for any damages arising out of or in connection with the Services provided by Bidder, in excess of the amounts paid by Purchaser during a period of 12 months preceding the date of the Purchaser's written notice by which the Purchaser informs Bidder of having suffered any such damage for the Services utilized by Purchaser. The Purchaser shall give written notice within 15 days of suffering the damage.	
131.	Additional Clause Termination Rights of the Bidder	<b>M/s HUGHES</b> The Bidder reserves the right to cancel the contract in the following events: <ul style="list-style-type: none"> <li>• If the Purchaser is in breach of any obligation under this Agreement.</li> <li>• If the Purchaser fails to make the payment of invoices within 30 days of receipt of such invoice</li> </ul>	<b>Decision of MHA.</b>  Tender Condition Persists
132.	Additional Clause EXPORT CONTROLS	<b>M/s HUGHES</b> a. It is expressly agreed that the execution of this Agreement and all activities (including the delivery of	<b>Decision of MHA.</b>  Tender Condition Persists



		<p>equipment and/or services) under this Agreement will be subject and conducted in compliance with all applicable export controls and economic sanction laws and regulations imposed or administered by (i) the United States and (ii) Purchaser's home jurisdiction (collectively "Trade Controls"). Thus, Purchaser warrants that it shall not, directly or indirectly, use, sell, provide, export, re-export, transfer, divert, loan, lease, consign to or otherwise dispose of any products, software, source code, technology (including products derived from or based on such software, source code or technology) or services received from the Equipment Provider to any person, entity, end-user or destination prohibited by such Trade Controls without obtaining any required government authorization.</p> <p>b. It is also understood that the Equipment Provider and its personnel will not provide technical support or other services (directly or indirectly) to any non-U.S. military or paramilitary organization without obtaining appropriate government authorization. Purchaser certifies that it will notify the Equipment Provider, in advance, if it intends to seek any technical support or service on behalf of a non-U.S. military or</p>	
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	<p>paramilitary organization. Before providing any such technical support or services, the Equipment Provider will seek appropriate government approvals. Purchaser agrees to provide, the Equipment Provider, with any information reasonably requested by the Equipment Provider in connection with its efforts to obtain any such export licenses or otherwise compliance with the applicable Trade Controls.</p> <p>c. The Equipment Provider's performance obligations, under this Agreement, are expressly contingent upon and subject to obtaining and maintaining any and all necessary government approvals or exceptions required under the applicable Trade Controls. Notwithstanding any other provision of this Agreement, the Equipment Provider shall not be required to perform any act or obligation under this Agreement that would be prohibited or would otherwise subject the Equipment Provider to a substantial risk of material fines, penalties or other adverse consequences under any applicable Trade Controls. Further, the Equipment Provider shall be entitled to take any action reasonably necessary to ensure compliance with, or avoid material fines, penalties or other adverse</p>	
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		<p>consequences under such applicable Trade Controls. The obligations stated herein shall survive the expiration, cancellation or termination of this Agreement or any other related agreement/contract.</p>	
<p>133.</p>	<p>Appendix 22 CAMC clause 15 At Page 90 <b>Existing Clause</b> <b><u>TERMINATION FOR</u></b> <b><u>DEFAULT</u></b> The user DCPW reserves the right to terminate the AMC prematurely on unsatisfactory performance with at least 30 days notice if the maintenance services of M/s _____ are not found satisfactory. On termination of the contract for default, the security deposit as Bank Guarantee of M/s _____ will be forfeited.</p>	<p><b>M/s HUGHES</b></p> <p>Notwithstanding any other provision of this Tender and irrespective of any fault or negligence, neither Party shall be liable to the other for any indirect, reliance, special, punitive, consequential, exemplary or incidental damages (including without limitation damages for harm to business, lost revenues, lost sales, lost savings, lost profits (anticipated or actual), loss of use, downtime, injury to persons or damage to property and claims of third parties), regardless of the form of action, whether in contract, warranty, strict liability or tort (including without limitation negligence of any kind, whether active or passive) or any other legal or equitable theory arising out of or in connection with this Tender including the Services, even if a Party has been advised of the possibility of such damages. In no event shall Bidder be liable for any damages arising out of or in connection with the Services provided by Bidder, in excess of the amounts paid by</p>	<p><b>Decision of MHA.</b></p> <p>Tender Condition Persists</p>

		Purchaser during a period of 12 months preceding the date of the Purchaser's written notice by which the Purchaser informs Bidder of having suffered any such damage for the Services utilized by Purchaser. The Purchaser shall give written notice within 15 days of suffering the damage.	
134..	<p><b>Appendix 22</b> CAMC Clause 16 At Page 90 <b>Existing Clause</b> <b><u>RESOLUTION OF DISPUTES</u></b></p> <p>In the event of any dispute or difference between the parties hereto, such disputes or differences shall be resolved amicably by mutual consultation or through the good offices of empowered agencies of the government. If such resolution is not possible within thirty days of the receipt of notice by the other party of the existence of such dispute, then the unresolved dispute or the difference shall be referred to arbitration of an arbitrator to be nominated by secretary, department of Legal affairs ("Law secretary") in terms of office memorandum no. 55/3/1/75-CF dated 19<sup>th</sup> December, 1975 issued by the Cabinet secretariat (department of Cabinet Affairs) , as modified from time to time. The arbitration and conciliation Act 1996</p>	<p><b>M/s HUGHES</b></p> <p>In the event of any dispute or difference between the parties hereto, such disputes or differences shall be resolved amicably by mutual consultation or through the good offices of empowered agencies of the government. If such resolution is not possible within thirty days of the receipt of notice by the other party of the existence of such dispute, then the unresolved dispute or the difference shall be referred to arbitration of an arbitrator to be appointed by mutual consent of both the parties ie. the vendor and the purchaser. to be nominated by secretary, department of legal affairs ("Law Secretary") in terms of the office memorandum no. 55/3/ 1/75-CF dated 10 December 1975 issued by the Cabinet Secretariat(department of cabinet affairs) as modified from time to time. The arbitration shall be governed by the arbitration and conciliation Act 1996. ( No. 26</p>	<p><b>Decision of MHA.</b></p> <p>Tender Condition Persists</p>



	<p>(No. 26 of 1996) shall not be binding upon parties to the disputes, provided , however, any party aggrieved by such award may make further reference for setting aside or revision of award to Law secretary whose decision shall bind the parties finally and conclusively.</p>	<p>of 1996) shall not be binding upon parties to the dispute, The decision of the arbitrator shall be final, conclusive and binding on the Parties provided, however, any party aggrieved by such award may seek and obtain injunctive and equitable relief from any court of competent jurisdiction make further reference for setting aside or revision of award to Law Secretary whose decision shall bind the parties finally and conclusively. The Venue of the arbitration shall be New Delhi. The costs of the arbitration including the legal expenses shall be borne by the parties in whose favor the arbitral award is given.</p>	
135.	<p><b>Annexure IV</b> <b>Clause 2</b> <b>At Page 23 of OTE</b> <b>Special Conditions Of The</b> <b>Tender Enquiry</b> <b>Existing Clause</b></p> <p><b>RATE CONTRACT (RC):</b> TheL-1/ negotiated rates quoted for Deliverable equipment and services at Star Topology site mentioned in schedule of requirement mentioned at Section-II of Appendix-2 will be frozen for 24 months from the date of finalization of contract for providing up gradation of POLNET Network at State Police, UT Police and CAPFs location.</p>	<p><b>M/S BECIL :-</b> <b>1. Price is valid for 24 months.</b> It is proposed that foreign exchange variation clause should be included in price validity clause.</p>	<p><b>Clarification by MHA</b> <b>As price bid is to be</b> <b>Quoted in INR , hence</b></p> <p>Tender Condition Persists</p>





136.	<p><b>Additional Clause</b></p> <p>Annexure –II  Clause 3(c)  At Page 8 of OTE  Existing Clause :-  The tenderer are required to bid for entire quantity of stores as per Bill of Quantity (BOQ) at Appendix-10 of OTE. The lowest bid will be decided upon the lowest price quoted by the bidder as on the date of opening of Price bid. Rates quoted for comprehensive annual maintenance (CAMC) will have impact on the status of L-1 firm; hence the tenderer should quote rates for 7 years CAMC after warranty period. The consideration of taxes and duties in evaluation process will be as follows:-  (i) Applicable taxes and duties (including those for which exemption certificates are issued) quoted by the bidder will be considered.</p>	<p><b>M/S ADTL:-</b></p> <p>Price evaluation: Kindly adopt Net present value (NPN) system to compare the prices of various bids to arrive at L1. for example, the warranty &amp; AMC charges are payable later but their present value will be lower due to time value of money.</p>	<p><b>Clarification by MHA Amendment:</b></p> <p><b>For:</b>  <b>Existing entries</b></p> <p><b>Read:</b>  The tenderer are required to bid for entire quantity of stores as per Bill of Quantity (BOQ) at Appendix-10 of OTE. The lowest bid will be decided upon the lowest price quoted by the bidder as on the date of opening of Price bid. Rates quoted for comprehensive annual maintenance (CAMC) will have impact on the status of L-1 firm; hence the tenderer should quote rates for 7 years CAMC after warranty period. The Buyer reserves the right to evaluate the offers received by adopting Discounted Cash Flow (NPV) method with a discounting rate of 8%. The consideration of taxes and duties in evaluation process will be as follows:-  <b>(i)</b> Applicable taxes and duties (including those for which exemption certificates are issued) quoted by the bidder will be considered.</p>
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137.	Additional Clause	<p><b>M/S BCIL:-</b> In the price bid format two separate columns are provided to indicate the amount of IGST and GST. We are not sure whether this IGST is during the import of the foreign goods or during the sale of goods by bidder. Please clarify as the IGST during import is taken as import credit and for sale within the state it is CGST + SGST which are not mentioned in the format. Also this will depend on the site location where the material has to be dispatched.</p>	<p><b>Clarification by MHA</b> Provision for IGST/CGST/SGST already available in current Price Bid format. Bidders are requested to upload tax in respective columns. All components of tax will be considered for determining L1 status. Hence, <b>no change made in the price bid</b></p>
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2. Following Clarification sought by M/s BECIL is under Examination:-

SN	Ref. of Para in OTE	Clarification Sought by Rep. of firms	Changes agreed/Not agreed by MHA/Amendment in GTE
138.	<p><b>Annexure-II</b> <b>Clause 2.2 (ii)</b> At Page 8 of OTE <b>Existing Clause</b> <b>Qualification Criteria</b> The bidder must have successfully completed minimum two projects of similar nature each having valuing not less than 10 Cr. in last five years.</p>	<p><b>M/S BECIL</b> The consortium partners experience should be considered as prime bidders being an integrator may not have such experience. Bidder can associate with companies/ OEM and pool their experience to qualify for the eligibility.</p>	<p><b>Decision of MHA.</b> Matter under Examination Clarification will Follow.</p>



**PART II**


3. The following amendments are hereby incorporated in the Floated Tender Enquiry. These changes, wherever it is defined in the text of the tender documents and it may be treated as amended accordingly:-

S. No	Existing Clause	Required to be Amendment
<b>i) Serial No 1.08 of Appendix 10 Price –Bid/BOQ Format of Tender (P-331/C)</b>		
<b>ii) Serial No.8 of Schedule of requirement under Section-II at page No.54</b>		
1	<b>Existing Clause</b>  Integrated Single NMS (Both Hardware & Software ) For both Star & Mesh Network in Hot Redundancy	<b>Amendment:</b> <b>For:</b> Existing entries <b>Read:</b> Integrated Single NMS (Both Hardware & Software ) for Star Network/Terminals in Hot Redundancy
<b>i) Serial No 1.29 of Appendix 10 Price –Bid/BOQ Format of Tender</b>		
2.	<b>Existing Clause</b>  1.29 – Operation of Hub for 1 year from the date of Commissioning of Training of operation & management of HUB.	<b>Amendment:</b> <b>For:</b> Existing entries <b>Read:</b> 1.28 – Training of operation & management of Hub. 1.29 - Operation of Hub for 1 year from the date of commissioning.
<b>Annexure-II Clause 2.2 (i) at page 8 of Tender.</b>		
3.	<b>Existing Clause</b>  The bidder should have an annual turnover of Rs. 20 crore in the last two Financial Years i.e 2015-16 and 2016-17.	<b>Amendment:</b> <b>For:</b> Existing entries <b>Read:</b> The bidder should have an average annual turnover of Rs. 20 crore in the last two Financial Years i.e 2015-16 and 2016-17.
<b>Appendix-6 of page 67 of Tender</b>		
4.	<b>Existing Clause</b>  PERFORMANCE STATEMENT FOR LAST FIVE YEARS AS PER CLAUSE 2(b) OF ANNEXURE – II	<b>Amendment:</b> <b>For:</b> Existing entries <b>Read:</b>



		PERFORMANCE STATEMENT FOR LAST FIVE YEARS AS PER CLAUSE 2.2(ii) OF ANNEXURE – II
<b>Serial No 4.11.1 under “IP Phone” at page No. 45 of Tender</b>		
5.	<b>Existing Clause</b>  1. Display - 3.5" Color LCD	<b>Amendment:</b> <b>For:</b> Existing entries <b>Read:</b> 1. Display – 3.5 color LCD/LED/TFT.
<b>Clause 2. Eligibility Condition at Page 7of OTE</b>		
6.	<b>Existing Clause</b>  Following clauses are hereby added under clause 2, Eligibility Condition	<b>Amendment:</b> <b>Read:</b> 2(xii) If the Bidder does not submit duly signed Appendix 27 of OTE 2(xiii) If the Bidder does not agree to the delivery period as mentioned in OTE 2(xiv) The Bidder in any manner discloses directly or indirectly the price bid in the Technical Bid. 2(xv) If the Bidder does not agree to the Rate Contract Clause 2 of Annexure IV of OTE.

4. All other terms and conditions will remain unchanged. The bidders may submit their bids accordingly.

  
 (Inderjeet Chawla)  
 Second-in-Command (Procurement)  
 For and on behalf of the President of India

**Copy to: -**

1	<b>Indenter</b> - Director, Directorate of Co-ordination Police, Wireless, Block-9, CGO Complex, Lodhi Road, New Delhi 110003	For information with reference to this OTE of even No 05.04.2018.
2	The Section Officer (IT), IT Cell Website room no. 10, MHA, North Block, New Delhi-110001.	With requested to get it incorporated in the official website of the Ministry of Home Affairs. <b>(Encl: one)</b>
3.	The Director Indian Trade Journal, Directorate General of Commercial Intelligence and Statistic, 565 Anandpur, Ward No. 108, Plot No. 22 Sector-I, Kolkata-700107.	For publication of enclosed OTE in the next issue of the Indian Trade Journal. Encl: 01

