

S-11027/2/DR HUB/2023-PN  
Government of India  
Ministry of Home Affairs  
Directorate of Coordination  
Police Wireless

Block No-9, CGO Complex,  
Lodhi Road, New Delhi  
Dated:- 29/10/2024

**Corrigendum No. 08**

**Subject:- Tender Reference Number: S-11027/2/DRHUB/2023-PN [Tender No.2024\_DCPW\_794794 ] floated on 16.03.2024 For Procurement of Setting up of Disaster Recovery (DR) Hub of Satellite based Communication Network (POLNET)**

Tender for Procurement of Setting up of Disaster Recovery (DR) Hub of Satellite based Communication Network (POLNET) was floated on Central Public Procurement Portal (CPPP) on 16.03.2024. Further, Pre-Bid meeting was held on 03.04.2024. 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 Authority , following clarifications and amendments are hereby issued against the subject tender. These changes may be effected wherever it is defined in the text of the tender documents and it may be treated as amend accordingly:

**Part-I [ Clarifications]**

S. No	Reference of Para in Tender	Clarifications sought by the representative of Firm	Changes agreed / Not agreed by MHA / Amendment in Tender
1.	<b>Section VI: Schedule of Requirements, Clause No. 1.16, Page -115</b>  <b>Existing Clause:-</b> UPS  <b>Section VI: Schedule of Requirements, Clause 2.07, Page-117</b>  <b>Existing Clause</b> UPS 2 KVA, 30 Min Backup,	<b>M/s Alpha Design Technologies Pvt. Ltd (ADTL)</b>  Please bifurcate UPS & Batteries separately as two different line items because of different GST % applicable to UPS & Batteries.	Tender condition prevails.
2.	<b>Section VIII: Qualification Criteria, Criteria 1,</b>	<b>M/s Alpha Design Technologies Pvt. Ltd</b>	The following relaxation granted to MSME and

<p><b>Experience and Past Performance (ii), Page-162</b></p> <p><b>Existing Clause:-</b></p> <p>ii) The bidder' should have commissioned at least two numbers (herein after referred as 'The Qualifying Quantity') of 'The Product' in at least one of the last five years ending on 'The relevant Date', and out of which</p> <p>(iii) At least one numbers of 'The product' should be in successful operation for at least two years on the date of bid opening.</p>	<p>Request to replace the following as per below:</p> <ol style="list-style-type: none"> <li>1. Replace <b>'Product'</b> by Satellite Communication Hubs of any configuration.</li> <li>2. Instead of 'in at least one of the last 5 years', it should read as 'during the last 5 years'.</li> </ol> <p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>Sir, We are the MSME organization and bidding as a system integrator in the above mentioned tender. Kindly note, as per the notification issued by Department of Expenditure, Ministry of Finance, all Central Ministries/ Departments may relax condition of prior turnover and prior experience in public procurement to all Startups (whether MSEs or otherwise). Refer to other tenders of ISRO (MCF or ISTRAC) or Defence , same practice has been followed. Hence request you to relax the eligibility criteria for MSME bidders.</p> <p>We would also like to inform you that Indian Army has awarded a contract to us for establishing 2 HUBs (Main + DR HUB) along with 85 COTP vehicles mounted terminals. We are in the process of establishing the network but due to higher lead time in TWTA and other RF devices, the ATP of the network is pending. We can assure you that we can produce a copy of the contract between us and the Indian Army, if the competent authority asks the same. We also want to inform you that we are participating</p>	<p>Startups as per MoF order NoF.20/2/2014-PPD(Pt) dated 20/09/2016.</p> <p>In page 51 Section III: Appendix to Instructions to Bidders (AITB) , ITB 4.3.2 Column No 2 following relaxation as per the discretion of the procuring entity has been given.</p> <p>The Section VIII: Qualification Criteria, Criteria 1, point (ii) &amp; point (iii) has been relaxed to the MSME / StartUps organizations and may be read as under</p> <ol style="list-style-type: none"> <li>ii) The bidder' should have commissioned at least <b>One</b> numbers (hereinafter referred as 'The Qualifying Quantity') of 'The Product' in last five years ending on 'The relevant Date', and out of which</li> <li>iii) 'And The Product' should be in successful operation for at least two years on the date of bid opening.</li> </ol> <p>Rest Tender conditions prevails.</p>
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in a limited RFP of the Indian Army called MINT (Mobile Integrated Network Terminal). Hence based on our track record, we would like to allow us to participate in the tender.

**M/s NELCO LTD**

1. We request to consider below with regards to criteria 1 point i), ii) & The bidder (manufacturer or its authorised representative) should have regularly for at least the last three years, ending 31st March of the previous financial year (hereinafter called 'The relevant Date'), commissioned DVBS2 MFTDMA Satellite Communication VSAT Hubs, with the same or higher specifications hereinafter called 'The Product', Supporting document such as Work Completion/PO/Contract Agreement from OEM or its Authorized representative can be submitted by the Bidder.

2. It is understood that principal of authorised representative means Authorized dealer of the OEM for whom MAF is being issued by the OEM specific to this Tender.

**M/s NELCO LTD**

We request you to amend the qualification criteria as below so that more bidder can qualify.

i) The bidder (manufacturer or

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		<p>principal of authorised representative hereinafter referred simply as 'The Bidder') should have regularly for at least the <b>last Five years</b>, ending 31st March of the previous financial year (hereinafter called 'The relevant Date'), commissioned <b>DVBS2 MFTDMA baseband equipment for VSAT Hubs</b>, with the same or higher specifications hereinafter called 'The Product',</p> <p><b>ii)</b> We understand that the experience of OEM or its authorized dealer will be considered in support of this requirement.</p>	
3.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 2.1.17, Page-133</b></p> <p><b>Existing Clause:-</b></p> <p>Plan for disaster recovery of data of Messaging Server should be submitted.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <ol style="list-style-type: none"> <li>1. Messaging solution has 2 components. A core messaging platform and an archival system. Do both the applications need to be part of the DR set up?</li> <li>2. Will you accept a proposal and a budget for upgrading existing infrastructure in the current premises to adapt for a multi DC infrastructure?</li> <li>3. To our best knowledge the current set up is designed for a local network failover as per RFP of the previous tender and our understanding of the project implementation. Will you provide space for an extra rack to set up for necessary equipment in Delhi to facilitate all required changes to be done?</li> <li>4. If any hardware or software is found to misfit to be suitable for implementing a DR over VSAT, will the department be Ok for the same to be included as per proposal.</li> </ol> <p>Please confirm.</p>	<ol style="list-style-type: none"> <li>1. Yes.</li> <li>2. Refer to S.No. 1.10 Schedule of Requirements .</li> <li>3. Yes, space will be provided.</li> <li>4. Refer to S.No. 1.10 Schedule of Requirements .</li> </ol>

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4.	<p><b>Required Delivery Schedule, Clause 3, Sl No..6, PAGE-122</b></p> <p><b>Existing Clause:-</b></p> <p>Testing and acceptance of sites and DR HUB by DCPW</p> <p><b>Section IV: General Conditions of Contract (GCC), Terms and Mode of Payment, Clause 10.3.1.4.a (iii), Page-91</b></p> <p><b>Existing Clause :-</b></p> <p>10% on successful installation and commissioning and acceptance by the user department.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>DEEMED ACCEPTANCE: - Understand Acceptance would be on the date tests are cleared and not when it is approved on the Files by DCPW / MHA (which is delayed due to movement of files etc.).</p> <p>Also, in case, DCPW / MHA start using the DR Hub, in any way, whether after public announcement / inauguration or not, the DR Hub would be deemed to have been accepted from the day of such use / operation. The warranty would start from such date of deemed Acceptance and all pending payments linked with Acceptance would be cleared thereafter.</p> <p>Please confirm.</p>	<p>Tender Conditions Prevails.</p>
5.	<p><b>Appendix to NIT: Tender Information Summary (TIS), Clause No. 10, Page 9&amp; 10</b></p> <p><b>Existing Clause :-</b></p> <p>PBG: Order value - Applicable @ 10% of Order value - As per DoE, MoF OM No. F.1.2/2023-PPD dated 03.04.2023.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <ol style="list-style-type: none"> <li>Request to share IFSC Code to be shared for making PBG.</li> <li>In place of PBG, request accept of Fixed Deposit Receipt (FDR)?</li> </ol> <p>Please confirm.</p>	<ol style="list-style-type: none"> <li>IFSC code will be shared to successful bidder.</li> <li>As per OM No. F.1/2/2023/PPD Dated 01.01.2024 of DOE , PBG may be reduced to 5 %.</li> </ol> <p>Accordingly, the said <b>Clause No. 10, Page 9&amp; 10</b> may be read as under: Applicable @ 5% of Order value - As per DoE, MoF OM No. F.1.2/2023-PPD dated 01.01.2024.</p>
6.	<p><b>Section II: Instructions To Bidders (ITB), Clause 3(a), Page-26</b></p> <p><b>Existing Clause:-</b></p> <p><b>Compulsory Spares for Two Year's Maintenance</b></p> <p>If so stipulated in TIS/ AITB, the Bidders shall also quote in their financial bids the prices of spares and their quantities estimated to be</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Spares Line Item &amp; its Qty. may please be included separately in the price sheet. Modified price sheet may be shared.</p>	<p>Refer Section VI of Schedule of requirements, S.No. 1.22, Page 115, Additional Equipment (Both Hardware &amp; Software) required for Commissioning of the New Network.</p> <p>Further for list of inventory, may please refer to Page 108, Section V, GCC 6.1 &amp; 6.6 and Page 127 Section VII:</p>

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	required for maintenance of equipment two years beyond the warrantee period. The total cost of such spares shall be added to the. cost of equipment and incidental works/ services to evaluate financial bids. These spares shall be supplied along with the main equipment.		Technical Specifications and Quality Assurance, clause aa and Page No 129, clause 1.3.14.
7.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 1.3: Scope of work , Page No. 122 &amp; 125</b></p> <p><b>Existing Clause:-</b> The DR Hub for POLNET 2.0 should be capable of immediately taking over and maintaining continuity of communications of all VSAT Terminals and operations of the network in case of any emergency / disaster at Main Hub.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd</b></p> <p>Disaster Recovery is meant to be used only in case of extreme emergency situation of complete network failure due to the circumstances which can take very long time to recover typically hours/days. Hence the Geo-Redundancy/Disaster Recovery switchover is generally designed in Semi-Automatic configuration with manual trigger. Which means the Database Synchronization between Main &amp; DR Hub is automatic &amp; realtime with Manual Trigger to Switch between the Hubs. This is to avoid un-necessary switchover to redundant hub even in case of minor and quick recoverable failure. The operator does not want to initiate such a change without a clear decision made process and not let system to decide on their behalf. The Switchover is not always immediate. Hence we request to change the clause as "The DR Hub for POLNET 2.0 should be capable of taking over and maintaining continuity of communications of all VSAT Terminals and operations of the network in case of any emergency / disaster at Main Hub."</p>	<p>The said clause may be read as under:</p> <p>The DR Hub for POLNET 2.0 should be capable of immediately taking over [switch over time should not be more than 10 minutes] and maintaining continuity of communications of all VSAT Terminals and operations of the network in case of any emergency / disaster at Main Hub. The Switch over may be designed in Semi-Automatic configuration with manual trigger.</p> <p>Remaining Tender Conditions prevails.</p>
8.	<b>Section VII: Technical</b>	<b>M/s Alpha Design Technologies</b>	The switch over process in

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<p><b>Specifications and Quality Assurance , Clause 1.3.7, Page-128</b></p>	<p><b>Pvt. Ltd .</b></p>	<p>Hot Stand By Mode should not exceed the switch over time prescribed in amended Clause No. <b>1.3: Scope of work , Page No. 122 &amp; 125.</b></p>
<p><b>Existing Clause:-</b> Supplier shall provide Plan for Failsafe switchover of operations between Main Hub &amp; DR Hub including time required for the switchover process in <b>Hot Standby Mode.</b></p>	<p>Disaster Recovery is meant to be used only in case of extreme emergency situation of complete network failure due to the circumstances which can take very long time to recover typically hours/days.</p>	<p>Rest Tender Conditions prevails.</p>
	<p>Hence the Geo-Redundancy/Disaster Recovery switchover is generally designed in Semi-Automatic configuration with manual trigger. Which means the Database Synchronization between Main &amp; DR Hub is automatic &amp; real time with Manual Trigger to Switch between the Hubs.This is to avoid un-necessary switchover to redundant hub even in case of minor and quick recoverable failure. The operator does not want to initiate such a change without a clear decision made process and not let system to decide on their behalf.</p>	
	<p>Hence, we request to change the clause as <b>"Supplier shall provide Plan for Failsafe switchover of operations between Main Hub &amp; DR Hub including time required for the switchover process in Hot Standby Mode with Manual Trigger"</b></p>	
	<p><b>M/s ELCOM Innovations Pvt Ltd</b></p>	
	<p>Disaster Recovery is meant to be used only in case of extreme emergency situation of complete network failure due to the circumstances which can take very long time to recover typically hours/days.</p>	
	<p>Hence the Geo-Redundancy/Disaster Recovery switchover is</p>	

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generally designed in Semi-Automatic configuration with manual trigger. Which means the Database Synchronization between Main & DR Hub is automatic & realtime with Manual Trigger to Switch between the Hubs.

This is to avoid un-necessary switchover to redundant hub even in case of minor and quick recoverable failure. The operator does not want to initiate such a change without a clear decision made process and not let system to decide on their behalf.

Hence we request to change the clause as "Supplier shall provide Plan for Failsafe switchover of operations between Main Hub & DR Hub including time required for the switchover process in Hot Standby Mode with Manual Trigger"

**M/s NELCO LTD**

Switch over between Main Hub and Redundant Hub to be initiated only in extreme conditions where the failure of any equipment at the Hub is affecting the link uptime and the rectification of failure will take long hours/days to get rectified. In such case a semi-automatic system is designed with manual switch over where the users decide as per the situation to switch from one Hub to another and can take a planned call. Such manual trigger can help the user to avoid unnecessary switch-over and not let the system decide on their behalf. Therefore, we request you to change the clause as below.

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		<p>Failsafe switchover of operations between Main Hub &amp; DR Hub including time required for the switchover process in Hot Standby Mode with Manual Trigger"</p>	
9.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 1.3.5&amp; 4.19, Page-128 &amp;152</b></p> <p><b>Existing Clause:-</b></p> <p>The backhaul connectivity between Main Hub and DR Hub shall be through a separate carrier within the existing transponder bandwidth <b>available within the network through VSAT</b> and also through Terrestrial Leased Line for real time data Mirroring between both the Hubs. Both the backhaul connectivity options should be able to work independently of each other. The Detailed Calculations of minimum bandwidth requirements of backhaul connectivity between Main Hub &amp; DR Hub for both the options shall be provided by the supplier.</p> <p><b>Backhaul through VSAT shall be primary option to be provided by the supplier and provision should also be made for backhaul through Terrestrial Leased Line as a secondary option.</b></p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd</b></p> <p>The Link required between Main &amp; DR Hub for Database Synchronization should be a dedicated &amp; highly stable link with very low latency typically less than 150 Msec which is not supported over Satellite Link. Hence it is requested to change the Backhaul connectivity link between Main &amp; DR Hub to terrestrial only.</p> <p>Hence, we request to change this clause as <b>"The backhaul connectivity between Main Hub and DR Hub shall be through a Terrestrial Leased Line for real time data Mirroring between both the Hubs. The Detailed Calculations of minimum bandwidth requirements of backhaul connectivity between Main Hub &amp; DR Hub shall be provided by the supplier."</b></p> <p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>The Link required between Main &amp; DR Hub for Database Synchronization should be a dedicated &amp; highly stable link with very low latency typically less than 150 Msec which is not supported over Satellite Link. Hence it is requested to change the Backhaul connectivity link between Main &amp; DR Hub to terrestrial only.</p> <p>Hence we request to change this</p>	<p>The Clause 1.3.5&amp; 4.19 to be read as under:</p> <p>The backhaul connectivity between Main Hub and DR Hub shall be through a separate carrier <b>through a separate VSAT / SCPC link</b> and also through Terrestrial Leased Line for real time data Mirroring between both the Hubs. Both the backhaul connectivity options should be able to work independently of each other. The Detailed Calculations of minimum bandwidth requirements of backhaul connectivity between Main Hub &amp; DR Hub for both the options shall be provided by the supplier.</p> <p>The primary option for the Backhaul should be lease lines on two different alignments for 99.9% availability and secondary option of VSAT / SCPC configuration should be available in case of failure of lease lines.</p>

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clause as " The backhaul connectivity between Main Hub and DR Hub shall be through a Terrestrial Leased Line for real time data Mirroring between both the Hubs. The Detailed Calculations of minimum bandwidth requirements of backhaul connectivity between Main Hub & DR Hub shall be provided by the supplier."

**M/s NELCO LTD**

As per the system requirement for data mirroring/synchronization, the link between Main Hub and DR Hub must have latency of 150 msec or less. Such low latency can be achieved on Terrestrial leased line/MPLS link. It cannot be achieved on Satellite links due to its propagation delay. Bidder can provide Backhaul from two separate Terrestrial service providers for maintaining the uptime.

Therefore, we request you to consider both the Primary and Secondary Backhaul on Terrestrial Leased line/MPLS link between Main and DR Hub. We request you to modify the clause as per below.

**The backhaul connectivity between Main Hub and DR Hub shall be through two separate Terrestrial Leased Line/MPLS service provider for real time data Mirroring between both the Hubs with one link to be configured as primary and other as secondary. Both the backhaul connectivity options should be able to work independently of each other.**

10. **Section VI: Schedule of Requirements, Clause 4.3**

**M/s Alpha Design Technologies Pvt. Ltd**

All items supplied should comply as per TEC .GR/SAN-

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**Existing Clause:-**

11m Earth Station Antenna Operating In C-BAND conforming to TEC, DoT Generic Requirements No.GR/SAN-01/03.MARCH 2007 or latest is to be installed.

The Antenna should be automatically steerable towards any satellite visible on the Indian Arc i.e. 20° E to 140° E without any manual intervention or repositioning of shaft.

1) Is the feed requirement both for Linear and Circular OR Only Linear?

2) The Technical Specifications states the steerability as 20 Deg E to 140 Deg E continuous but the generic specs (GR/SAN-01/03.MAR 2007) specified "The antenna shall be so designed as to have azimuth coverage from 90Deg to 270 Deg in two segments each of 110 Deg or any other suitable arrangement not involving more than three segments, without dismantling the antenna. Further antenna shall have the capability of elevation change from 5 Deg to 90 Deg". The two/three segment Antenna (as per GR) required manual intervention or repositioning of shaft.

Please delete the following from the technical specifications:

**"without any manual intervention or repositioning of shaft".**

3) Is dehydrator to be provided?

4) Should the Antenna equipment be subjected to ESS, EMI/EMC tests? If so which equipment and what tests?

Please Confirm.

**M/s ELCOM Innovations Pvt Ltd**

The Generic specs .GR/SAN-01/03.MARCH 2007 specified that the antenna shall be so designed as to have azimuth coverage from 90° to 270° in two segments each of 110° or any other suitable arrangement not involving more than three segments, without dismantling the antenna. Further antenna shall have the capability of elevation change from 5° to 90°.

01/03.MARCH 2007 and test to be carried out as per TEC .GR/SAN-01/03.MARCH 2007.

The antenna should be automatically steerable from 20 deg E to 140 deg E in one segment.

Rest Tender Conditions prevails.

Which clause is to be considered, 4.5.1 or 4.5.2 ?

**M/s NELCO LTD**

- a. Please change the serial no. as 4.3.1 to 4.3.3
- b. As per 4.5.2, the antenna in Azimuth must be steerable from 90 deg to 270 deg without shaft repositioning. This looks like requirement of a full motion antenna. There is huge cost difference between the limited motion and full motion antenna. Once aligned to the satellite, the antenna will remain fixed at that position and will be hardly moved unless there is a satellite change. If there is a satellite change, the bidder can see reposition the shaft, if required and align to the satellite which would be again a one-time job.

Therefore, we request you to consider a limited motion antenna which can cover satellite visible on the Indian Arc i.e 20 Deg E to 140 Deg E with repositioning of shaft, if required.

**M/s Comsat System Pvt. Ltd**

**11Mtr Antenna**

- 1) Is the feed requirement both for Linear and Circular OR Only Linear.
- 2) The Technical Specifications states the steerability as 20 Deg E to 140 Deg E continuous but the generic specs (GR/SAN-01/03.MAR 2007) specified "The antenna shall be so designed as to have azimuth coverage from 90Deg to 270 Deg in two

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		<p>segments each of 110 Deg or any other suitable arrangement not involving more than three segments, without dismantling the antenna. Further antenna shall have the capability of elevation change from 5 Deg to 90 Deg". - which should be considered?</p> <p>3) Is dehydrator to be provided?</p> <p>4) Should the Antenna equipment be subjected to ESS, EMI /EMC tests? If so which equipment and what tests?</p> <p>5) Delivery: 90 days delivery is very short. We require delivery period 150 days ARO for supply and 210 days ARO for installation and Commissioning.</p> <p>6) NOCC will be carried out when all the sub systems are integrated and ready signal is given by the customer.</p>	
11.	<p><b>Section VI: Schedule of Requirements, Clause 4.3 Page-142</b></p> <p><b>Existing Clause:-</b> 11m Earth Station Antenna Operating In C-BAND conforming to TEC, DoT Generic Requirements No.GR/SAN-01/03.MARCH 2007 or latest is to be installed.</p> <p>The Antenna should be automatically steerable towards any satellite visible on the Indian Arc i.e. 20° E to 140° E without any manual intervention or repositioning of shaft.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd</b></p> <p>1. Should the Antenna equipment be subjected to ESS, EMI/EMC tests? If so, which equipment and what tests?</p> <p>2. Should de-icing to be provided and included.</p> <p>Please confirm.</p>	<p>1. All test to be carried out as per TEC .GR/SAN-01/03.MARCH 2007.</p> <p>2. All items to be provided as per TEC No.GR/SAN-01/03.MARCH 2007.</p>
12.	<p><b>Section VI: Schedule of Requirements Item Sr. No. 1.16, Page-115</b></p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd</b></p> <p>HUB UPS rating and its</p>	<p>Tender condition prevails.</p>

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	<p><b>Existing Clause:-</b> HUB UPS</p>	<p>redundancy requirement is not clearly mentioned, please do the needful.</p>	
<p>13.</p>	<p><b>Section VI: Schedule of Requirements Clause 3 , Page-122</b></p> <p><b>Existing Clause:-</b> Required Delivery Schedule</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd</b></p> <p>Supply and delivery of equipment's at Consignee sites for TWTA/SSPA, VC equipments &amp; Antenna is not possible in 90 days after WPC DL clearance, it can be practically achievable in 9-10 months for Antenna&amp; TWTA/SSPA and 6-7 months for VC equipments.</p> <p>Please do the needful for amendment in delivery timeline accordingly.</p> <p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>Sir, based on our previous records, it is been observe that the lead time of the TWTA is at higher side i.e. <b>8 to 10 months.</b></p> <p>Hence, request you to amend the I &amp; C and other schedules accordingly.</p> <p><b>M/s NELCO LTD</b></p> <p>As per RFP, the timeline given for Supply, I&amp;C, Training and Testing of the equipment of DR Hub is very less. Timeline given here is 210 days, if we consider T=0 and X=10 days.</p> <p>Please note that the Standard Delivery time for critical Hub equipment such as 11M antenna, Baseband equipment, SSPA/HPA, 20 kVA UPS etc is min 180-200 days excluding transportation.</p> <p>Further after delivery of 11M antenna at site, Installation and</p>	<p>Clause may be refer as under:</p> <p>3. Supply and delivery of equipment's at Consignee sites: Target Date T+150+X days.</p> <p>4. Installation and commissioning of equipment(s) at consignee location: Target date T+180 +X days.</p> <p>5. Training on Operation, maintenance and management of DR HUB at Buyer's location: Target date T+210+X days.</p> <p>6. Testing and acceptance of sites and DR HUB by DCPW: Target date T+240+X days</p> <p>Where: T- Target date starts from '0' day i.e., the date of issue of AT. X- Obtaining necessary spectrum license from WPC Wing/DOT.</p>

		<p>its foundation work, alignment and configuration will take atleast 45 days.</p> <p>Additional time is required to finish JRI, Installation, configuration and testing of Hub baseband equipment, RF equipment, VoIP/Messaging/VC servers etc and link testing with the remote sites.</p> <p>Considering the higher delivery timeline and complete SOW of RFP, we request you to accept total timeline of 300 days from the date of receipt of WPC license. This will enable the bidder to meet the project timeline and deliver quality work.</p>	
14.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause No. 4.15.2, RF Power Meter , Sl No. 6, Page-150</b></p> <p><b>Existing Clause:-</b> Noise: Less than 1% of FSD</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Noise is Sensor dependent. Averaging over 1 to 1024 readings is available for reducing noise.</p> <p>Hence, it is recommended to allow for providing this parameter as per industry standard.</p> <p><b>M/s RDK Tech Solution (India) Pvt Ltd</b></p> <p>Not Applicable with USB Sensors (Please delete this spec as not applicable)</p>	Tender condition prevails.
15.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 4.15.2, RF Power Meter, Sl. No. 8, Page-151</b></p> <p><b>Existing Clause :-</b> Key functions: Allow entry of sensor calibration factor in range 100% to 0.001%</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Request for amendment for 1% to 150%.</p>	Tender condition prevails.

16.	<p><b>Section VII: Technical Specifications and Quality Assurance, Messaging Server, Clause 2.4.7 C Page-137</b></p> <p><b>Existing Clause :-</b> Date and Time stamp of Transmission</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Message Delivery Status display to be de-linked from Transmit Message Status.</p> <p>Please confirm.</p>	Tender condition prevails.
17.	<p><b>Section VII: Technical Specifications and Quality Assurance, Messaging Server, Clause 2.4.7, D, Page-137</b></p> <p><b>Existing Clause</b> Date and Time Stamp of read by the destination.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Read Receipt to be provided on demand only.</p> <p>Please confirm.</p>	Tender condition prevails.
18.	<p><b>Section VII: Technical Specifications and Quality Assurance, Messaging Server, Clause 2.4.10, Page-137</b></p> <p><b>Existing Clause:-</b> The Logs, sent messages, received messages should be archived for finite period.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Request, time may be fixed.</p>	<p>Clause may be read as under:</p> <p>The Logs, sent messages, received messages should be archived for atleast for 06 months.</p>
19.	<p><b>Section VII: Technical Specifications and Quality Assurance, Call Manager, Clause 2.5.8, Page-139</b></p> <p><b>Existing Clause:-</b> Provision for archiving the call Data records/recording should be available for a finite period in any open standard format.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <ol style="list-style-type: none"> <li>1. Max. Number of Voice Calls to be recorded and their duration thereof. Specify the time (3 sec) to start the Voice Recording, after set up.</li> <li>2. Please also include as separate line item in the Bill of Material and Commercial.</li> </ol> <p>Please confirm.</p>	<p>Clause may be read as under:</p> <p>Provision for archiving the call Data records/recording for atleast 50 voice calls, for entire duration of every call should be available for one month in any open standard format.</p> <p>2. Refer schedule of requirement Section VI clause 1.22.</p>
20.	<p><b>Section VII: Technical Specifications and Quality Assurance, Call Manager, Clause 2.5.9, Page-139</b></p> <p><b>Existing Clause:-</b> Recording to be access through double secure logins and can be replayed on any</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Dual Password in the form of Admin &amp; User Passwords to be provided for authorized recording.</p> <p>Please confirm.</p>	Tender conditions prevail.



	open Standard player.		
21.	<p><b>Section VII: Technical Specifications and Quality Assurance, Video Conferencing, Clause 2.6.4, Page-140</b></p> <p><b>Existing Clause:-</b></p> <p>There should be facility for multiparty video conferencing for Star topology and Supplier should make necessary arrangement of hardware at HUB site.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Please Include a Video Conferencing End Point with available size TV (43 inch etc.) at the DR Hub.</p>	<p>May refer Page no 146 to 148 of Tender document.</p>
22.	<p><b>Section VII: Technical Specifications and Quality Assurance, Video Conferencing, Clause 2.6.9, Page-140</b></p> <p><b>Existing Clause:-</b></p> <p>At DR Hub Supplier has to offer equipment for video conferencing HD quality with 40 concurrent Sites.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>We request you to consider 25 Parties view instead of 40, as max 25 sites can be made visible on a single display.</p>	<p>Tender condition prevails.</p>
23.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 1.1 VI C, Page-125</b></p> <p><b>Existing Clause:-</b></p> <p>FTP services from VSAT up to 2Mbps.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Data or File Transfer through standard FTP only to be provided. Please Confirm.</p> <p>Please confirm.</p>	<p>Preferably standard FTP services only.</p>
24.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 2.0, VII, Page-131</b></p> <p><b>Existing Clause:-</b></p> <p>At DR Hub site Supplier has to offer interface for Telephone Exchange (EAPX) and WAN port</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Interface card for linking local exchange with DR Hub to be provided.</p> <p>Please confirm.</p> <p><b>M/s NELCO LTD</b></p> <p>a. Please provide the interface required for Telephone exchange. b. Please confirm if the users want to integrate the telephone</p>	<p>EPABX will be provided by the DCPW.</p> <p>a. Existing Interface at main hub is through RJ 45 connector. b. The calls will be within the CUG Network. c. Yes, main Hub is integrated with the Telephone Exchange EPBAX/IPBX system.</p>

		<p>exchange with DR HUB to make calls within the CUG Network or outside the CUG Network.</p> <p>c. Please confirm if the Main Hub is also integrated with the Telephone Exchange EPBAX/IPBX system.</p>	
25.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 1.3.22, Page-130</b></p> <p><b>Existing Clause:-</b></p> <p>The supplier shall provide:</p> <p>a. List of Sub-Systems, Equipment, Elements, Components etc. that will be considered for DR Hub.</p> <p>b. Detailed mechanism for implementation of DR Hub at System, Sub-System level down to significant card levels.</p> <p>c. The detailed functioning of DR Hub Operation.</p> <p>d. Methodology for Network Optimization including optimum bandwidth utilization, minimum switchover time, realtime data mirroring, optimum server to server communication etc. between Main Hub and DR Hub.</p> <p>e. Detailed list of tools, test &amp; measurement equipment that will be required for Management &amp; Maintenance of the Network.</p> <p>f. Details of Capability of system to integrate encryption device (IP Encryptor) as a Buyer Furnished Equipment (BFE) in the backhaul connectivity.</p> <p>g. Detailed Security Mechanisms &amp; Solutions proposed to be implemented for preventing unauthorized communication between</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>DR Hub should be fully compatible with existing Hub (including Messaging, Baseband, Video Conferencing, IP Phone, Servers etc.).</p> <p>Please confirm.</p>	<p>Tender conditions prevail.</p>

	Main Hub & DR Hub.		
26.	<p><b>Section VII: Technical Specifications and Quality Assurance, NMS Features, Clause 2.2.16, Page-135</b></p> <p><b>Existing Clause:-</b></p> <p>Facilitation center at DR Hub with video conferencing facility using the network be proposed with requisite displays and controls.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Please include it in BOM.</p>	<p>Any additional requirements may be included in Item No. 1.22 of Section VI: Schedule of Requirements</p>
27.	<p><b>Acceptance of Stores/Equipment/Systems Clause 4.3.XII f, Page-161</b></p> <p><b>Existing Clause:-</b></p> <p>Built in Drawings</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Some documents (like Built-up Drawings etc.) are not possible to be submitted, so such requirements must be removed from the DR Hub Tender.</p> <p>Please do the needful.</p>	<p>Tender condition prevails.</p>
28.	<p><b>Section VII: Technical Specifications and Quality Assurance, Quality Assurance, Page-159</b></p> <p><b>Existing Clause:-</b></p> <p>Joint Receipt Inspection (JRI)</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Joint Receipt Inspection &amp; Acceptance Test Procedure must be jointly agreed.</p> <p>Please confirm.</p>	<p>Kindly refer Schedule VII: Technical Specifications and Quality Assurance, Page 127, clause 1.3 - Detailed Design Review - point- ee.</p>
29.	<p><b>Section VII: Technical Specifications and Quality Assurance, Quality Assurance , (C), Page-160</b></p> <p><b>Existing Clause:-</b></p> <p>In case of goods, where complete functional checking as per specifications can only be done when it is integrated as part of the DR Hub System as a whole, the functional checking shall be carried out during Acceptance Testing.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>For Items whose functional testing is not possible at JRI stage (to be done at Acceptance stage), Equipment wise JRI Certificate to be signed and payment (linked with JRI) to be released (w/o functional testing).</p> <p>Please confirm.</p>	<p>Kindly refer Schedule VII: Technical Specifications and Quality Assurance, Page 127, clause 1.3</p>
30.	<p><b>Section VII: Technical Specifications and Quality Assurance , Acceptance of Stores/Equipment/Systems , Clause 4.3 (ii) , Page-160</b></p> <p><b>Existing Clause:-</b></p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Don't have a factory test report of some equipment like PC, Printer, Toolkit, TV &amp; Cables. Quality certificate provided by supplier of</p>	<p>Kindly refer Schedule VII: Technical Specifications and Quality Assurance, Page 127, clause 1.3</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>the equipment should be accepted.</p> <p>Please confirm.</p>
<p>31. <b>Section VII: Technical Specifications and Quality Assurance, Uninterrupted Power Supply (UPS) , Clause 4.14.1, Page-149</b></p> <p><b>Existing Clause:-</b> <b>Uninterrupted Power Supply (UPS): -</b></p> <p>Modular UPS in fail safe mode with a common output bus, each module of 5KVA with independent battery bank with total no. of <b>minimum</b> 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 equipments. Supplier <b>shall</b> propose a better option if any in case of power requirement and redundancy.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Modular UPS with multiple modules have significant losses to the tune of ~ 20%.</p> <p>Hence, we recommend 20 kVA UPS (1+1) hot standby configuration. Please confirm.</p>	<p>Refer to Page- 149, Section VII: Technical Specifications and Quality Assurance, Clause 4.14.1 and 4.14.2 of tender document, UPS is meant for supporting all the power requirements of the Hub and its peripheral equipments. <b>Supplier shall propose a better option if any in case of power requirement and redundancy.</b></p>
<p>32. <b>Section VII: Technical Specifications and Quality Assurance , Measuring and Monitoring Instrument and Tool Kit for HUB Clause 4.16.1, Page-151</b></p> <p><b>Existing Clause:-</b></p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Data call monitoring is not possible. It works on only FTP.</p> <p>Please confirm.</p>	<p>Tender conditions prevails.</p>

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	Measuring and Monitoring Instrument and Tool Kit for HUB: -  Supplier shall propose appropriate Real Time Video, voice, and data call Monitoring devices with detail specification and feature.		
33.	<b>Section VI: Schedule of Requirements, Clause 5.1.1 Page-153</b>  <b>Existing Clause:-</b>  1.8 Meter C- Band Antenna	<b>M/s Alpha Design Technologies Pvt. Ltd .</b>  1. Should the Antenna equipment be subjected to ESS,EMI/EMC tests? If so, which equipment and what tests? Please confirm. 2. Should de-icing be provided and included. Please confirm.  <b>M/s Comsat System Pvt. Ltd</b>  <b>1.8M Antenna</b> 1) Should the Antenna equipment be subjected to ESS,EMI/EMC tests? If so, which equipment and what tests? 2) Should deicing be provided and included.	1. All items supplied should comply as per TEC-IR number GR/SAN-09/04May2007 or latest and test to be carried out as per TEC-IR number GR/SAN-09/04May2007 or latest . 2. De-icing is not required.
34.	Additional	<b>M/s Alpha Design Technologies Pvt. Ltd .</b>  5G Bandpass Filters – Specs & Qty to be added.	May please refer to Page no. 129 clause 1.3.14 & 1.3.18 of tender document.
35.	Additional	<b>M/s Alpha Design Technologies Pvt. Ltd .</b>  Site Readiness Clause to be added, under DCPW's responsibility. Please confirm.	Bidder to complete associated Civil & Electrical Works, also refer point no.6 of page 123.
36.	Additional	<b>M/s Alpha Design Technologies Pvt. Ltd .</b>  Is Flyaway Terminals required? Please Confirm. If, yes then Please also share it technical specification & Qty.	Flyaway terminals are not part of schedule of requirements.
37.	<b>Section VII: Technical</b>	<b>M/s Alpha Design Technologies</b>	The clause may be amended

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<p><b>Specifications and Quality Assurance, Clause 2.5.1, Page-138</b></p> <p><b>Existing Clause:-</b></p> <p>The call manager should be compatible with existing call manager installed at Hub with provision for Realtime Data Mirroring between Call Manager at Main Hub &amp; DR Hub.</p>	<p><b>Pvt. Ltd .</b></p> <p>The call manager should be compatible with existing call manager installed at Hub with provision for Realtime Data Mirroring between Call Manager at Main Hub &amp; DR Hub. The New Call Manager at DR should work in Active-Active Mode with Call Manager at DC and should support Automatic Failover in case DC Site in Delhi is not available. All Phones and VC endpoints should automatically get registered to the Call Manager at DR.</p> <p>We request you to consider Automatic Failover and Active-Active Redundancy for the Call Manager to be installed at DR location to lower the downtime.</p> <p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>Updated Clause - The call manager should be compatible with existing call manager installed at Hub with provision for Realtime Data Mirroring between Call Manager at Main Hub &amp; DR Hub. The New Call Manager at DR should work in Active-Active Mode with Call Manager at DC and should support Automatic Failover in case DC Site in Delhi is not available. All Phones and Vc endpoints should automatically get registered to the Call Manager at DR.</p> <p><b>Remarks:</b></p> <p>We request you to consider Automatic Failover and Active-Active Redundancy for the Call Manager to be installed at DR location to lower the downtime.</p>	<p>as follows:-</p> <p>The call manager should be compatible with existing call manager installed at Hub with provision for Realtime Data Mirroring between Call Manager at Main Hub &amp; DR Hub. The call manager at DR Hub can also be configured in Active-Active Redundancy Mode with Call Manager at Main Hub to support Automatic Failover.</p>	<p>The clause may be amended</p>
<p>38.</p>	<p><b>Section VII: Technical</b></p>	<p><b>M/s Alpha Design Technologies</b></p>	<p>The clause may be amended</p>

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<p><b>Specifications and Quality Assurance, Clause 2.5.7, Page-138</b></p> <p><b>Existing Clause:-</b></p> <p>The Call manager should be in 1:1 redundancy and must be hot swappable i.e. in case of failure of master server redundant server must take over with a minimal down time without any limitation for the users or end points</p>	<p><b>Pvt. Ltd .</b></p> <p>The Call manager should be in 1:1 Active: Active redundancy and must be hot swappable i.e. in case of failure of master server redundant server must take over automatically with a minimal down time without any limitation for the users or end points.</p> <p>We request you to consider Automatic Failover and Active-Active Redundancy for the Call Manager to be installed at DR location to lower the downtime.</p> <p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>The Call manager should be in 1:1 Active: Active redundancy and must be hot swappable i.e. in case of failure of master server redundant server must take over automatically with a minimal down time without any limitation for the users or end points.</p> <p><b>Remarks:</b></p> <p>We request you to consider Automatic Failover and Active-Active Redundancy for the Call Manager to be installed at DR location to lower the downtime.</p>	<p>as follows:-</p> <p>The Call manager should be in 1:1 redundancy and must be hot swappable i.e. in case of failure of master server redundant server must take over with a minimal down time without any limitation for the users or end points. The call manager at DR Hub can also be configured in Active-Active Redundancy Mode with Call Manager at Main Hub to support Automatic Failover.</p>
<p>39. <b>Section VII: Technical Specifications and Quality Assurance, Clause 2.6.1, Page-139</b></p> <p><b>Existing Clause:-</b></p> <p>The Video Conferencing System should be compatible with existing Video Conferencing server installed at Main Hub with provision for Realtime Data Mirroring between VC Server at Main Hub &amp; DR Hub.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>The Video Conferencing System should be compatible with existing Video Conferencing Server installed at Main Hub with provision for Realtime Data Mirroring between VC Server at Main Hub &amp; DR Hub. The Proposed VC System at DR should work in Active-Active mode and should be configured as part of same cluster as VC</p>	<p>The clause may be amended as follows:-</p> <p>The Video Conferencing System should be compatible with existing Video Conferencing server installed at Main Hub with provision for Realtime Data Mirroring between VC Server at Main Hub &amp; DR Hub. The VC System at DR Hub can also be configured in Active-Active Redundancy Mode with Call Manager at Main Hub to support Automatic Failover.</p>

		<p>System in DC.</p> <p>We request you to consider VC System at DR, which should work in Active-Active Mode with the Server already available at DC.</p> <p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>The Video Conferencing System should be compatible with existing Video Conferencing Server installed at Main Hub with provision for Realtime Data Mirroring between VC Server at Main Hub &amp; DR Hub. The Proposed Vc System at DR should work in Active-Active mode and should be configured as part of same cluster as VC System in DC</p> <p>Remarks: We request you to consider VC System at DR, which should work in Active-Active Mode with the Server already available at DC.</p>	
40.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 2.6.2, Page-139</b></p> <p><b>Existing Clause:-</b></p> <p>The system should support video resolution from 4 CIF (Common Intermediate format),VGA, SVGA, 720Pixel, 1080pixel @ 15fps, 30fps selectable.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>2.6.2 The system should support video resolution from upto 1080pixel @ 30fps. We request you to consider Video Resolution upto 1080p30 fps, this sill cater to all lower Video resolutions.</p> <p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>2.6.2 The system should support video resolution from upto 1080pixel @ 30fps . Remarks: We request you to consider Video Resolution upto 1080p30 fps, this sill cater to all lower Video resolutions.</p>	Tender conditions prevails.







41.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 4.7.4, Sl No.3, Page-144</b></p> <p><b>Existing Clause:-</b></p> <p>Services Voice, Data, Video conferencing in Unicast, Multicast, Broadcast, File transfer, Intranet, etc.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Video Conference Technology allows 2 Way Communication between the Locations/Sites. Hence All Sites Get Connected on the Video Conferencing Server and required 2 Way Traffic so that both locations can send and receive Audio and Video. Hence Video Conferencing Technology <b>does not work on Multicast or Broadcast.</b></p> <p>However, the VC signal can be streamed from Hub to many users (multicast) and all users (broadcast), for which a Streaming Server (HW/SW) needs to be provided at the DR HUB. Please confirm.</p> <p>Hence, we request you to please update the clause as per below:</p> <p><b>Services Voice, Data, Video conferencing, File transfer, Intranet, etc.</b></p> <p><b>M/s NELCO LTD</b></p> <p>Video Conference Technology allows 2 Way Communication between the Locations/Sites. Hence All Sites Get Connected on the Video Conferencing Server and required 2 Way Traffic so that both locations can send and receive Audio and Video. Video Conferencing Technology does not work on Unicast/Multicast or Broadcast. Hence, we request you to amend the clause as per below.</p> <p>“Services Voice, Data , Video conferencing, File transfer, Intranet, etc.”</p>	Tender Conditions prevails.
42.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 4.9,</b></p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p>	<p>Call Manager /Gate Keeper: - Call Manager/Gate Keeper Server (Hardware &amp; Software)</p>

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**Existing Clause:-**

Call Manager /Gate Keeper: -  
Call Manager/Gate Keeper Server (Hardware & Software) in Hot redundancy to cater to the technical requirements Compatible with existing Call Manager installed at Main Hub for Realtime Data Mirroring Call Manager at Main Hub & DR Hub.

Call Manager/Gate Keeper Server (Hardware & Software) in Hot redundancy to cater to the technical requirements Compatible with existing Call Manager installed at Main Hub for Realtime Data Mirroring Call Manager at Main Hub & DR Hub. The New Call Manager at DR should work in Active-Active Mode with Call Manager at DC and should support Automatic Failover in case DC Site in Delhi is not available. All Phones and VC endpoints should automatically get registered to the Call Manager at DR.  
We request you to consider Automatic Failover and Active-Active Redundancy for the Call Manager to be installed at DR location to lower the downtime.

**M/s ELCOM Innovations Pvt Ltd**

Call Manager /Gate Keeper:-  
Call Manager/Gate Keeper Server (Hardware & Software) in Hot redundancy to cater to the technical requirements Compatible with existing Call Manager installed at Main Hub for Realtime Data Mirroring Call Manager at Main Hub & DR Hub. The New Call Manager at DR should work in Active-Active Mode with Call Manager at DC and should support Automatic Failover in case DC Site in Delhi is not available. All Phones and Vc endpoints should automatically get registered to the Call Manager at DR.

**Remarks:**

We request you to consider Automatic Failover and Active-Active Redundancy for the Call Manager to be installed at DR location to lower the downtime

in Hot redundancy to cater to the technical requirements Compatible with existing Call Manager installed at Main Hub for Realtime Data Mirroring Call Manager at Main Hub & DR Hub. The Call Manager / Gate Keeper should be compatible with existing Call Manager installed at Main Hub with provision for Realtime Data Mirroring between VC Server at Main Hub & DR Hub.

43.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 4.10, Page-146</b></p> <p><b>Existing Clause:-</b></p> <p>Video Conferencing Server: - Video Conferencing Server (Hardware &amp; Software) in Hot redundancy to cater to the Technical requirements Compatible with existing VC Server installed at Main Hub for Realtime Data Mirroring between Video Conferencing Server at Main Hub &amp; DR Hub.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Video Conferencing Server (Hardware &amp; Software) in Hot redundancy to cater to the Technical requirements Compatible with existing VC Server installed at Main Hub for Realtime Data Mirroring between Video Conferencing Server at Main Hub &amp; DR Hub. The Proposed VC System at DR should work in Active-Active mode and should be configured as part of same cluster as VC System in DC.</p> <p>We request you to consider VC System at DR, which should work in Active-Active Mode with the Server already available at DC.</p> <p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>Video Conferencing Server:- Video Conferencing Server (Hardware &amp; Software) in Hot redundancy to cater to the Technical requirements Compatible with existing VC Server installed at Main Hub for Realtime Data Mirroring between Video Conferencing Server at Main Hub &amp; DR Hub. The Proposed Vc System at DR should work in Active-Active mode and should be configured as part of same cluster as VC System in DC</p> <p><b>Remarks:</b></p> <p>We request you to consider VC System at DR, which should work in Active-Active Mode with the Server already available at DC</p>	<p>The clause may be amended as</p> <p>Video Conferencing Server: - Video Conferencing Server (Hardware &amp; Software) in Hot redundancy to cater to the Technical requirements Compatible with existing VC Server installed at Main Hub for Realtime Data Mirroring between Video Conferencing Server at Main Hub &amp; DR Hub. The VC System at DR Hub can also be configured in Active-Active Redundancy Mode with Call Manager at Main Hub to support Automatic Failover.</p>
44.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 4.10, Page-146</b></p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p>	<p>Tender conditions prevail.</p>

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<p><b>Assurance, Clause 4.11, Page-146</b></p> <p><b>Existing Clause:-</b></p> <p>Video Conferencing Equipments</p>	<p>Please confirm if the Licenses required to register the devices on Existing Server need to be considered along with the VC Equipment.</p> <p>License should be included as part of VC Equipment.</p> <p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>Please confirm if the Licenses required to register the devices on Existing Server need to be considered along with the Vc Equipment</p> <p>Remarks: License should be included as part of VC Equipment</p> <p><b>M/s NELCO LTD</b></p> <p>a)Please confirm if the Licenses required to register the devices on Existing Server need to be considered along with the VC Equipment.</p> <p>b)We request you to consider 25 Parties view instead of 40, as max 25 sites can be made visible on a single display.</p> <p>Please amend the clause as below.</p> <p>4.11.1 At DR Hub Supplier has to offer equipment for video conferencing HD quality with 40 concurrent sites (25 parties concurrently visible on display)</p>	<p>All hardware should be supplied along with necessary licenses for its operation.</p> <p>Refer to Page no 129 clause No. 1.3.16, page no 134 clause 2.1.20, page no. 140 clause 2.6.11, page no. 146 clause 4.11.2.</p> <p>All hardware should be supplied along with necessary licenses for its operation.</p> <p>Tender conditions prevails.</p>	
<p>45.</p>	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 4.12, Page-148</b></p> <p><b>Existing Clause:-</b></p> <p>IP Phone</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Please confirm if the Licenses required to register the devices on Existing Server need to be considered along with the IP Phone.</p> <p>License should be included as</p>	<p>Tender conditions prevail.</p> <p>All hardware should be supplied along with necessary licenses for its operation.</p> <p>Refer to Page no 129 clause No. 1.3.16, page no 134</p>

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		<p>part of IP Phone in BoM &amp; Commercial.</p> <p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>Please confirm if the Licenses required to register the devices on Existing Server need to be considered along with the IP Phone</p> <p><b>Remarks:</b> License should be included as part of IP Phone.</p> <p><b>M/s NELCO LTD</b></p> <p>Please confirm if the Licenses required to register the devices on Existing Server need to be considered along with the IP Phone</p>	<p>clause 2.1.20, page no. 140 clause 2.6.11, page no. 146 clause 4.11.2 .</p>
46.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 4.13, Page-148</b></p> <p><b>Existing Clause:-</b></p> <p>Video IP Phone: -</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Please confirm if the Licenses required to register the devices on Existing Server need to be considered along with the Video IP Phone.</p> <p>License should be included as part of Video IP Phone in BoM &amp; Commercial.</p> <p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>Please confirm if the Licenses required to register the devices on Existing Server need to be considered along with the Video IP Phone</p> <p><b>Remarks:</b> License should be included as part of Video IP Phone</p> <p><b>M/s NELCO LTD</b></p> <p>Please confirm if the Licenses required to register the devices on Existing Server need to be considered along with the Video</p>	<p>Tender conditions prevail.</p> <p>All hardware should be supplied along with necessary licenses for its operation.</p> <p>Refer to Page no 129 clause No. 1.3.16, page no 134 clause 2.1.20, page no. 140 clause 2.6.11, page no. 146 clause 4.11.2 .</p> <p>All hardware should be supplied along with necessary licenses for its operation.</p>

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47.	Additional Clause	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Please confirm if 24/48 port Network Switch is required to be supplied at DR Location to connect the Servers and Other Network Devices to VSAT Network. Network switch would be required to connect the Call Manager and Video Conferencing Server to the VSAT Network, please confirm if the same has to be included.</p> <p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>Please confirm if 24/48 port Network Switch is required to be supplied at DR Location to connect the Servers and Other Network Devices to VSAT Network. Remarks: Network switch would be required to connect the Call Manager and Video Conferencing Server to the VSAT Network, please confirm if the same has to be included.</p> <p><b>M/s NELCO LTD</b></p> <p>Please confirm if 24/48 port Network Switch is required to be supplied at DR Location to connect the Servers and Other Network Devices to VSAT Network.</p>	<p>Refer Page no. 152 clause no. 4.20 of tender document.</p> <p>Refer Tender document section VI Schedule of requirements item s.no. 1.22.</p>
48.	<p><b>Section VII: Technical Specifications and Quality Assurance, MULTI CONTROL UNIT (MCU) Clause 5.9.1.5 (a), Page-158</b></p> <p><b>Existing Clause:-</b></p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>MCU based Multi-Party VC Equipment doesn't work on Multicast &amp; Broadcast. Please confirm.</p>	Tender condition prevails.

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	MULTI CONTROL UNIT (MCU)		
49.	<p><b>Section VII: Technical Specifications and Quality Assurance, MULTI CONTROL UNIT (MCU) Clause 5.9.1.5 (a), Page-158</b></p> <p><b>Existing Clause:-</b></p> <p>MULTI CONTROL UNIT (MCU)</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Streaming of Muti-Party VC to be provided over the Network on Unicast, Multicast &amp; Broadcast for which a Streaming Server needs to be provided at DR HUB, this may be included in the price sheet. Please confirm.</p>	<p>Refer Page no. 152 clause no. 4.20 of tender document. [Additional equipment]</p>
50.	<p><b>Section VII: Technical Specifications and Quality Assurance , Clause 1.1 vi , Page-125</b></p> <p><b>Existing Clause:-</b></p> <p>The operational services of the Network are as under:</p> <p>a. Messaging services @16 Kbps or better at LAN Port.</p> <p>b. Messaging Application Server.</p> <p>c. FTP services from VSAT up to 2Mbps.</p> <p>d. Voice @16 Kbps or suitable rate for 150 concurrent users simultaneously with call setup time -03 Seconds</p> <p>e. 40 simultaneous Video conferencing call selectable from 512 Kbps to 2Mbps.</p> <p>f. Network is to be configured with 1 out route configurable from 8 Mbps to 45Mbps and 12 Inroutes each configurable upto 2 Mbps.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</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:</p> <p>40 Simultaneous Video Calls @ 512 Kbps= 20 Mbps 150 Simultaneous Voice Calls @ 16 Kbps= 2.4 Mbps</p> <p>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 and clarify.</p>	<p>Conditions to be met as per the NOCC approved carrier plan of main HUB site. Same will be shared with the successful bidder.</p>
51.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 4.4.2, Page-142</b></p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd</b></p> <p>We are unable to find the TEC IR document from TEC Website.</p>	<p>Tender Conditions prevails.</p>

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	<p><b>Existing Clause:-</b> Up Converter (1:1) Hot Standby Configuration with auto changeover: Should conform to latest TEC IR</p>	<p>Therefore, we request you to kindly share the relevant document or share the current TEC IR no. of the Up Converter.</p>	
52.	<p><b>Section VII: Technical Specifications and Quality Assurance Clause 4.5.2, Page-143</b></p> <p><b>Existing Clause:-</b> Down Converter (1:1) Hot Standby configuration with auto changeover: Should conform to latest TEC IR.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd</b></p> <p>We are unable to find the TEC IR document from TEC Website. Therefore, we request you to kindly share the relevant document or share the current TEC IR no. of the Down Converter.</p>	Tender Conditions Prevails.
53.	<p><b>Form 1.3: OEM's Authorization, Sl. No.2, Page - 176</b></p> <p><b>Existing Clause:-</b> We further confirm that no Contractor or firm or individual other than Messrs. ..... (name and address of the above- authorised dealer) is authorized for this purpose.</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>We understand from this clause that one OEM can authorize only one bidder to quote their product(s) and Service(s).</p> <p>Kindly confirm, if our understanding is correct?</p> <p><b>M/s Gilat Satellite Networks Ltd.</b></p> <p>This is in reference to the tender; we would like to inform your kind office that under OEM authorization on page 176, in point 2 its written that We further confirm that no Contractor or firm or individual other than Messrs. ..... (name and address of the above-authorized dealer) is authorized for this purpose. This means Gilat cannot authorize more than one system integrator for this project, this would reduce the number of competitive bids for this project, and we are afraid that this will not comply with the minimum bid requirements. Under the above circumstances,</p>	The Sl No. 2 of form 1.3 (OEM's Authorization) may be read as deleted.

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		we would request your kind office to remove this point for increased competition in the tender and this would help DCPW to have better commercial bids.	
54.	<p><b>Form 10: Proforma of Guarantee for Supply of Spares During Post Warranty Period, Page- 207</b></p> <p><b>Existing Clause:-</b></p> <p>To</p> <p>The Jt. Secretary (PM) Procurement Wing, Ministry of Home Affairs 26 - Man Singh Road New Delhi - 110 011.</p> <p>Dear Sir,</p> <p>In consideration of the President of India through the JS (PM) MHA (hereinafter referred to as the 'Purchaser' which expression</p> <p>.....</p>	<p><b>M/s Alpha Design Technologies Pvt. Ltd .</b></p> <p>Kindly refer to Appendix to NIT: Tender Information Summary, Tender Inviting Authority (TIA) is Director DCPW, Directorate of Coordination Police Wireless, Ministry of Home Affairs, Government of India, Block - 09, CGO Complex, Lodhi Road, New Delhi - 110 003, but as per this form, the letter has to be addressed to Jt. Secretary (PM), Procurement Wing, Ministry of Home Affairs 26 - Man Singh Road New Delhi - 110 011. Please clarify whether the letter should be addressed to Director DCPW or Jt. Secretary (PM)? <b>DCPW or Jt. Secretary (PM)?</b></p>	Letter should be addressed to Tender Inviting Authority.
55.	<p><b>Section IV: General Conditions of Contract (GCC) , 10.3 Terms and Mode of Payment Clause 4) (b), Page-91</b></p> <p><b>Existing Clause:-</b></p> <p>(b) For a contract with terms of delivery as CIF destination/ Delivery at site/ FOR destination</p> <p>(i) 90% on receipt and acceptance of goods by the consignee at destination and on the production of all required documents by the contractor</p> <p>(ii) 10% on successful</p>	<p><b>M/s ELCOM Innovations Pvt Ltd</b></p> <p>Sir, Request you to amend the payment terms as "90% on receipt and acceptance of goods <b>on pro-rata bases</b> by the consignee at destination and on the production of all required documents by the contractor". You can limit the number of bills. This will help the bidder to maintain the cash flow and deliver the project effectively and on time.</p>	Tender condition prevails.

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	installation and commissioning and acceptance by the consignee.		
56.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 1.3.14, Page- 129</b></p> <p><b>Existing Clause :-</b> The Supplier shall ensure the availability of spares of the DR Hub throughout the life of the Network and shall stock sufficient spares for 10 years from the date of commissioning. The supplier has to provide bid specific OEM Authorization for supplying spares and service support for the entire 10 years. Critical Spares should be held by the supplier at DR HUB Location during the entire 10 years period. After 10 years Supplier will suggest list of spares to be procured by purchaser. The spares shall be made available for the inspection of the authorized representative of user.</p>	<p><b>M/s NELCO LTD</b></p> <p>We are an ISO certified company and have several guidelines and procedure for maintaining spares inventory. We have regional offices where we maintain stock of spares for quick support to customer and Immediate resolution of fault. We have audit in every few months where the stock check is taken regularly.</p> <p>We would like to maintain the critical spares of DR Hub at our regional offices where our customer support team are available and working 24x7 in co-ordination with NOC team for quick resolution of fault. This will help us to maintain the ISO guidelines, comply to the audits and keep track of the critical spares too.</p>	Tender conditions prevails.
57.	<p><b>Section VII: Technical Specifications and Quality Assurance , Clause 1.3.22 (f), Page- 130</b></p> <p><b>Existing Clause:-</b> Details of Capability of system to integrate encryption device (IP Encryptor) as a Buyer Furnished Equipment (BFE) in the backhaul connectivity.</p>	<p><b>M/s NELCO LTD</b></p> <p>Please provide below details of the IP encryptor that buyer will be providing for backhaul connectivity.</p> <ol style="list-style-type: none"> <li>1. Make and model</li> <li>2. Interface details.</li> <li>3. Datasheet, if possible</li> <li>4. Will it be standalone or 1+1 configuration.</li> <li>5. A standard block diagram of interconnection</li> </ol>	Tender conditions prevail.
58.	<p><b>Section VI: Schedule of Requirements , Section VI: Schedule of</b></p>	<p><b>M/s NELCO LTD</b></p> <p>In SOR 1.0 Deliverable</p>	Refer clause "Training requirements" Clause 3.1 of section -VII.

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	<p><b>Requirements, Page 113</b></p> <p><b>Existing Clause:-</b> 1.0 Deliverable equipments and services for DR Hub</p>	<p>equipments and services for DR Hub, there is no separate line item given to add charges for training of DR Hub. We request you to add line item for “ Training of operation and Maintenance of DR Hub” under 1.0 in SOR.</p>	<p>[The training for the system operation and maintenance at DR HUB during installation and commissioning]</p>
59.	<p><b>Section VI: Schedule of Requirements, Clause 6 , Page- 123</b></p> <p><b>Existing Clause:-</b> Incidental Works/ Services: Any other Incidental Works/ Services required for Installation including any Civil / Electrical Works required for installation, and any other incidental requirements for commissioning &amp; Training and achieving full functionality of DR Hub to be capable of immediately taking over and maintaining continuity of communications of all VSAT Terminals and operations of the network in case of any emergency / disaster at Main Hub.</p>	<p><b>M/s NELCO LTD</b></p> <ol style="list-style-type: none"> <li>1. We understand that the construction work for DR HUB is completed with availability of 3 Phase Raw power at site and installation of Indoor and outdoor equipment can be taken up immediately. Please confirm the same.</li> <li>2. If the site is not ready, then please provide the timeline for readiness.</li> <li>3. In case of delay, please confirm that supply of 3 Phase raw power during Outdoor and Indoor Installation will be provided by buyer.</li> </ol>	<p>Refer to Section-VII, Clause No. 1.3 (p) &amp; (q) Scope of Work.</p> <p>The 3 Phase Raw Power will be made available before the installation of equipment.</p>
60.	<p><b>Section VII: Technical Specifications and Quality Assurance, Detailed design review/Clause aa ,Page- 127</b></p> <p><b>Existing Clause:-</b> Vendor shall provide a list of inventory of critical spares along with offer, which the vendor will maintain at his own cost for maintenance of services during the period of warranty &amp; CAMC. The list of the critical spares will be reviewed by purchaser at the time of DDR.</p>	<p><b>M/s NELCO LTD</b></p> <p>List of the inventory of critical spares may vary from one bidder to another as per their preference and this can be a major point for winning the bid.</p> <p>We request you to define the list of the inventory of critical spares for at least the Hub RF equipment in the tender. This is a critical item and repairing of this equipment can take long time. Spares such as Power amplifier modules 2 Nos, FETs 4 nos, Power supplies 2 Nos, Display 1 Nos,</p>	<p>Tender conditions prevail.</p> <p>Refer to Section-III, Appendix to Instructions to Bidder.</p> <p>Page-51&amp; 52 of Tender document may refer.</p> <p>May also refer to Section V Special conditions of Contract at Page 109 &amp; Page no. 129 clause 1.3.14.</p> <p>Inventory of critical spares to be held by the vendor to ensure guaranteed uptime as committed by the bidder in Form 12 of the tender document.</p>

		Motherboard/interface cards – 1 nos.	The Inventory of critical spares is to be held by the vendor at their own cost.
61.	<p><b>Section VII: Technical Specifications and Quality Assurance, Maintenance and Preventive Maintenance/Clause hh, Page - 127</b></p> <p><b>Existing Clause:-</b> Preventive maintenance (PM) for hub would be done every three months during the period of contract, where subsystems will be thoroughly checked, serviced and adjusted. A comprehensive PM report against each hub shall be submitted to MHA. The format of the report will be jointly finalized at appropriate time.</p>	<p><b>M/s NELCO LTD</b></p> <p>A well-maintained system with weekly monitoring of critical parameters and checkpoints do not need Preventive Maintenance (PM) in every 3 months. Downtime of 1-2 days will be required for thorough PM of Hub sub-systems which may not be possible every time considering the criticality of this operation. We request you to allow for the Preventive maintenance of Hub in every 6 months with Breakdown maintenance as and when required. Therefore, we request you to change as per below.</p> <p>“Preventive maintenance (PM) for hub would be done every <b>Six months</b> during the period of contract, where subsystems will be thoroughly checked, serviced and adjusted. A comprehensive PM report against each hub shall be submitted to MHA. The format of the report will be jointly finalized at appropriate time”</p>	Tender Conditions prevail.
62.	<p><b>Section VII: Technical Specifications and Quality Assurance , Clause 1.3.6, Page- 128</b></p> <p><b>Existing Clause:-</b> Supplier shall provide RF link analysis from DR HUB</p>	<p><b>M/s NELCO LTD</b></p> <p>Please provide the NOCC approved Carrier plan of Polnet 2.0 for preparation of link analysis.</p>	Tender Conditions to be met as per the NOCC approved carrier plan of main HUB site. Same will be shared with the successful bidder.

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	Location as per existing NOCC Approved Carrier Plan meeting the requirements of Network for 3000 VSATs.		
63.	<p><b>Section VII: Technical Specifications and Quality Assurance , Clause 1.3.12, Page- 128</b></p> <p><b>Existing Clause:-</b></p> <p>The Supplier shall Operate &amp; Maintain the DR HUB equipment for a period of 1 year from date of commissioning. The successful Supplier 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 Supplier. During the period of warranty and AMC of Hub, the successful Supplier should deploy a qualified resident engineer in the HUB on 24x7 basis for ensuring 99.9% uptime availability of DR HUB.</p>	<p><b>M/s NELCO LTD</b></p> <p>As per this clause, we understand that the supplier have to operate and maintain the DR HUB for 1 year from commissioning. After completion of 1 year, Polnet team will take care of the operation on day-to-day basis and a qualified resident engineer to be stationed at the HUB during warranty and AMC period and will be responsible for troubleshooting and resolving faults, if any, occur during the operation of Hub. Please confirm the same</p>	Yes, Tender condition prevails.
64.	<p><b>Section VII: Technical Specifications and Quality Assurance , Clause 1.3.18.b, Page 129</b></p> <p><b>Existing Clause:-</b></p> <p>Telecom Engineering Centre (TEC) Essential Requirements ER No. TEC 57282108 for Satellite Communication Equipment or latest (Documents may be downloaded from TEC Website).</p>	<p><b>M/s NELCO LTD</b></p> <p>The Disaster Recovery Hub requires integration of various subsystems from different OEMs. All the OEMs have standard products which are deployed worldwide and are working satisfactorily since last many years. Their products are designed as per the standard VSAT Hub and remote specifications accepted internationally and may not be particularly designed as per TEC 57282108. OEMs can design or modify the products to meet the TEC 57282108 specs, provided there is a big market size and</p>	Tender condition prevails.

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		<p>deployment in huge volume, may be approx. 1 lacs unit in a year such as we see in 4G/5G telecom products.</p> <p>Reputed OEMs can supply products as per the standard specifications, customisable to some extent, but meeting the EMI/EMC and IEC requirement as per TEC 57282108 will require huge modification almost same as cost of developing a new product. Therefore, in order to make the solution cost-effective we request you to remove this clause of TEC 5728210.</p>	
65.	<p><b>Section VII: Technical Specifications and Quality Assurance , Clause 1.3.19, Page 130</b></p> <p><b>Existing Clause:-</b> The supplied inventories for DR Hub will be accepted by the purchaser after the complete commissioning of DR HUB equipment &amp; systems and Successful Integration of Main Hub &amp; DR Hub with realtime data mirroring.</p>	<p><b>M/s NELCO LTD</b></p> <p>Acceptance of inventory is taken care by Stores of the unit. After delivery of equipment, Joint Receipt inspection will be done by Stores for the supplied material and will be taken as an inventory which do not any relation with commissioning of the Hub. If any issue arises in any of the material, then seller is liable to replace the item free of cost. Therefore, we request you to modify the clause as below.</p> <p><b>“The DR Hub will be accepted by the purchaser after the complete commissioning of DR HUB equipment &amp; systems and Successful Integration of Main Hub &amp; DR Hub with real time data mirroring.”</b></p>	Tender conditions prevails.
66.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 2.0 General Technical requirement, SL No. IX, Page -131</b></p>	<p><b>M/s NELCO LTD</b></p> <p>Most of the OEM have standard products as per standard specifications used worldwide. Customising the product to meet the TEC-GR specifications</p>	Tender conditions prevails.

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	<p><b>Existing Clause:-</b></p> <p>TEC IR documents are applicable in those conditions only in which TEC IR prevails as on date and Documents may be obtained from TEC, Department of Telecommunication.</p>	<p>will raise the product cost and spares cost too. The final product will not be an Off the shelf COTS product. Providing AMC support and product support for customised products for 10 years becomes difficult as any part can go EOL or could be declared obsolete due to not high-volume requirement of such customised product in the global market.</p> <p>We request you to allow OEM to offer COTS products and their best possible compliance as per the TEC-GR specifications for that product. If OEM cannot meet certain parameter, then they can offer the best possible or closest value against such parameter. The bidder/OEM must be responsible to maintain the uptime as per RFP using those COTS product. This will help the bidder to offer a standard product at a competitive price with product support of 10 years or more.</p>	
67.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 2.2.18, Page- 136</b></p> <p><b>Existing Clause:-</b></p> <p>NMS along with the heavy duty printer should be in 1:1 fail safe and must be hot swappable i.e. in case of failure of master server redundant server must take over with a minimal down time without any limitation for the users or end points.</p>	<p><b>M/s NELCO LTD</b></p> <p>Please clarify if the requirement here is for 1+1 NMS server with a standalone printer, so that when the master server fails, redundant server must be able to print docs using the same printer.</p>	<p>NMS and heavy duty printer, both should be in 1+1 fail safe and hot swappable.</p>
68.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 2.4.19, Page 138</b></p> <p><b>Existing Clause:-</b></p>	<p><b>M/s NELCO LTD</b></p> <p>Please provide the below details:-</p> <p>a. What is the current subscription type</p>	<p>The current subscription type of Zimbra application is Enterprise only. Interested vendors may visit POLNET HUB for seeing the current configurations after</p>

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	<p>Messaging server should be in 1:1 redundancy and must be hot swappable i.e. in case of failure of master server redundant server must take over with a minimal down time without any limitation for the users or end points.</p>	<p>(office/Home/Enterprise) of the Zimbra application at Main hub?  b. What is the current version of Zimbra application?  c. Please provide the HW configuration and OS details at Main Hub on which Zimbra had been installed?  d. How many users license are currently available for the installed Zimbra application at Main Hub?</p>	<p>signing the NDA document.</p>
<p>69.</p>	<p><b>Section VII: Technical Specifications and Quality Assurance , Clause 4.1, Page- 141</b></p> <p><b>Existing Clause:-</b></p> <p>SOLID STATE POWER AMPLIFIER (SSPA) (1+1) / Travelling Wave Tube Amplifier (TWTA)</p>	<p><b>M/s NELCO LTD</b></p> <p>As per RFP, there is requirement of 750W SSPA/TWTA in Hot standby configuration. The RFP says also mentions that the DR Hub Network is to be configured with 1 Outroute configurable from 8 Mbps to 45 Mbps and 12 Inroutes each configurable upto 2 Mbps. Considering the outbound of 45 Mbps over the current transponder, the RF power required will be max 50-70W. If Polnet is looking to add 2 to 3 additional transponders in future, the max power requirement will go upto 300W - 400W. Please note that the effective useable power of HPAs after backoff comes near to 300 - 400W. Therefore, we request you to consider the below points.</p> <p>a. We request to consider 400W 1+1 SSPA in place of 750W SSPA/HPA. This will help the end user to save cost and buy equipment with the actual usable power.</p> <p>b. We request you to consider those SSPA OEMs who have their authorised representative and a repair centre in India. This will help to have local repair centre with less turnaround time for</p>	<p>Tender conditions prevail.</p>



		<p>repair.</p> <p>c. We request you to wave off the TEC/GR specifications for the 1+1 SSPA as most of the OEM have standard products as per the specifications used worldwide. This will help to avoid unnecessary customisation and have COTS product with all the standard spares easily available with the OEM/authorized representative, which will help to maintain higher uptime of the network.</p>	
70.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 4.14.2, Sl No. 1, Page-149</b></p> <p><b>Existing Clause:-</b></p> <p>Input Voltage: 415 VAC ± 15% three phase Output Voltage: 415 VAC three phase</p>	<p><b>M/s NELCO LTD</b></p> <p>The Input and output voltage mentioned here is 3 Phase 415V AC. UPS Power supply is required for Indoor equipment placed in rack. All the equipment runs of single phase and there is no requirement of 3 phase output from the UPS. User can save cost by adopting an UPS with single phase output. Therefore we request you to change the input and output from three phase 415V to Single phase 230W ± 15%, if there is no device running of three phase supply from UPS.</p>	Tender conditions prevail.
71.	<p><b>Section VIII: Qualification Criteria, Criteria 4 , Page 162</b></p> <p><b>Existing Clause:-</b></p> <p><b>Technical Support Centre:</b> The bidder should have own or authorized Technical Support Centres at Bengaluru &amp; Delhi for repair, maintenance and replacement of items supplied which may become defective. The successful bidder must furnish the detail of all</p>	<p><b>M/s NELCO LTD</b></p> <p>We request you to add one more metropolitan city in the list of repair centres and amend the clause as below.</p> <p>The bidder should have own or authorized Technical Support Centres at <b>Bengaluru/Delhi/Mumbai</b> for repair, maintenance and replacement of items supplied which may become defective. The successful bidder must furnish the detail of all such Technical Support Centres at the time of</p>	Tender Condition prevails

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	such Technical Support Centres at the time of signing of Contract.	signing of Contract.	
72.	<p><b>Section VIII: Qualification Criteria , Clause Section VIII: Qualification Criteria, Page-162</b></p> <p><b>Existing Clause:-</b> Criteria 2 - Capability-Equipment &amp; manufacturing Facilities: 'The bidder' must have an annual capacity to commission at least 'The Qualifying Quantity'</p>	<p><b>M/s NELCO LTD</b></p> <p>We understand that OEM's manufacturing capability is being asked by the department and a declaration from OEM on it's letter head should suffice.</p>	Tender conditions prevails.
73.	<p><b>Appendix-A to Section VI, Page-124</b></p> <p><b>Existing Clause:-</b> Appendix-A to Section VI List of Existing Equipment installed at POLNET HUB, New Delhi Interested vendors may obtained the list by submitting a written request to Assistant Director (PP), DCPW on email id polnet-hub@dcpw.gov.in and submission of non-disclosure agreement.</p>	<p><b>M/s HCIL Comtel Ltd</b></p> <p>Existing Models of both base band and VC equipment are already 6-7 years old technology. We request to replace/upgrade the existing equipment(s) with new ones at main hub and DR site because of following reasons.</p> <p>1. Baseband shall obsolete in next 3-4 years and will be very difficult to support and Maintain, This shall impact the complete network. Latest technologies have evolved in recent years and deploying 7 years old technology equipment in present date is not viable both technically and commercially.</p>	Tender Conditions prevails.
74.	<p><b>Section VI: Schedule of Requirements, Appendix-A to Section VI, Page-124</b></p> <p><b>Existing Clause:-</b> Appendix-A to Section VI List of Existing Equipment installed at POLNET HUB, New Delhi Interested vendors may obtained the list by submitting a written</p>	<p><b>M/s HCIL Comtel Ltd</b></p> <p>M/S Gilat and Cisco being existing OEMs at the main hub and absence of interoperability in satcom create monopolistic scenario. We request you to consider new and latest equipment at both Main and DR locations to allow level playing field for all bidders.</p>	Tender Conditions prevails.

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	request to Assistant Director (PP), DCPW on email id polnet-hub@dcpw.gov.in and submission of non-disclosure agreement.		
75.	<p><b>Section VI: Schedule of Requirements, Appendix-A to Section VI, Page-124 Existing Clause:-</b></p> <p>Appendix-A to Section VI List of Existing Equipment installed at POLNET HUB, New Delhi Interested vendors may obtained the list by submitting a written request to Assistant Director (PP), DCPW on email id polnet-hub@dcpw.gov.in and submission of non-disclosure agreement.</p>	<p><b>M/s HCIL Comtel Ltd</b></p> <p>M/s Gilat -Manufacturer of baseband equipment have origin and factories in Israel, due to uncertainties prevailing in the country because of current war it is not advisable to risk complete network with Baseband from Israel and it is right time to consider equipment from other countries at both Main hub and DR site.</p>	Tender Conditions prevails.
76.	<p><b>Section II: Instructions To Bidders (ITB) , Bidders-Eligibility and Preferential Policies (3.2), Page-16</b></p> <p><b>Existing Clause:-</b></p> <p>Subject to provisions in this Tender Document, participation in this Tender Process is open to all bidders who fulfill the 'Eligibility' and 'Qualification criteria. Bidder should meet (as on the date of his bid submission and should continue to meet till the award of the contract) the 'Eligibility Criteria' detailed in NIT-clause 3, which shall be considered to be part of this clause of ITB (even though it is not being reproduced here for the sake of brevity).Bidder shall submit a declaration about the 'Eligibility Criteria'</p>	<p><b>M/s HCIL Comtel Ltd</b></p> <p>As setting up of DR site and satcom network is very specialized job, only eligible System Integrator who has successful completed similar work in the past 5 years should be allowed to bid. POs and work completion certificates from Customer should be submitted at the time of bidding.</p>	Tender Conditions prevails and refer Section -VIII of Tender "Qualification Criteria".







	compliance in Form 1.2 - Eligibility Declarations		
77.	<b>Regarding TWTA/SSPA 750W</b>	<p><b>M/s OPTIMUM VIKING SATCOM (INDIA) PVT LTD</b></p> <p>With regard to requirements of RF system, tender indicate that TWTA/SSPA/750W however we would like to emphasis that wattage will be more than twice the cost of TWTA.</p> <p>We request that to meet the same requirement of 750W TWTA, SSPA should be accepted with less wattage like 400W so that better performance with same price could be offered for Polnet Network. Please note that as compared to TWTA, SSPA has low failure rate and require less maintenance efforts which could be one of key for network reliability and continue operation.</p>	Tender Conditions prevails.
78.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause 4.15.1, Measuring and Monitoring Instrument, Sl No. 1, Page- 149</b></p> <p><b>Existing Clause:-</b> Signal Analyser</p> <p>Frequency Range 20Hz to 20GHz</p>	<p><b>M/s RDK Tech Solution (India) Pvt Ltd</b></p> <p>1. <u>Frequency Range 20Hz to 20GHz-</u></p> <p>As there are no measurements to be made at 20Hz, we request that this specification may kindly be amended to read as <b>100KHz to 20GHz</b>. This minor amendment would enable overall better specs, allow participation by several other Tier-I suppliers of international repute and shall invite more competitive bidding without compromising any essential measurement capability.</p>	Tender conditions prevails.
79.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 2,</b></p>	<p><b>M/s RDK Tech Solution (India) Pvt Ltd</b></p> <p>We propose that Capture Bandwidth should be enhanced beyond 40MHz to</p>	Tender conditions prevails.

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	<p><b>Page-150</b></p> <p><b>Existing Clause:-</b> Captured Bandwidth 40MHz</p>	<p>say at least 60MHz for performing modulation Analysis of Digitally modulated Signals (having In-phase and Quadrature components – IQ) such as DVB-S2 (8 PSK) , DVB- S(QPSK) &amp; up-scalable for 32APSK or higher modulations. Adequately Sampling rate cannot be achieved at 40MHz capture bandwidth.</p>	
80.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 7, Page-150</b></p> <p><b>Existing Clause:-</b> Displayed Average Noise - 130 dBm</p>	<p><b>M/s RDK Tech Solution (India) Pvt Ltd</b></p> <p>-160dBm typ. with Preamp-on</p> <p>For measurement of weak interfering signals, in presence of strong carrier signals, it is important to have much superior DANL with in-built preamplifier, say upto - 155dBm @ 20GHz</p>	Tender conditions prevails.
81.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 7, Page-150</b></p> <p><b>Existing Clause:-</b> Analogue Modulation FM/ PM/ AM</p>	<p><b>M/s RDK Tech Solution (India) Pvt Ltd</b></p> <p>AM – modulation index &amp; FM-FM deviation measurements are available.</p> <p>Kindly consider to remove Analog demodulation of AM/PM/ FM signals. These modulation schemes are no more used for Satellite communication</p>	Tender conditions prevails.
82.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 8, Page-150</b></p> <p><b>Existing Clause:-</b> Digital Demodulation modes BPSK, QPSK, 8PSK,</p>	<p><b>M/s RDK Tech Solution (India) Pvt Ltd</b></p> <p>Beside Digital demodulation (Vector Modulation Analysis) of BPSK, QPSK, 8PSK, 16QAM, please consider including 64QAM, 256QAM, for future scalability and use. It may kindly be ensured that software required for Digital Demodulation or other purposes be “perpetual in</p>	Tender conditions prevails.

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	16QAM	<b>nature with lifetime validity for free upgrades in future</b> ". Time limited software licenses (1/2/3 years priced differently depending upon the period selected) are proprietary of the OEMs of Signal Analyzer and so require payment of additional price for renewing as license fee, which could cost heavily later-on.	
83.	<b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 10, Page-150</b>  <b>Existing Clause:-</b>  Pre-Defined Measurements Channel Power, ACPR, Carrier to Noise ratio, Occupied Bandwidth, Carrier Frequency	<b>M/s RDK Tech Solution (India) Pvt Ltd</b>  Available - Our proposed solution offers Channel Power, ACPR, and Occupied Bandwidth, Carrier Frequency & C/N is measured using selection of Noise marker.  We request that spec may kindly be amended to read as - <b>"Channel Power, ACPR, Occupied Bandwidth, C/N Measurement with or without using Noise Marker and Carrier Frequency"</b> .	Tender conditions prevails.
84.	<b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 11, Page-150</b>  <b>Existing Clause:-</b>  Interface: USB	<b>M/s RDK Tech Solution (India) Pvt Ltd</b>  <b>USB and Ethernet interfaces</b> We propose that beside USB, Ethernet interfaces be included for better remote control/operation and programming at earth station facility. GPIB is an old interface and Ethernet interface is preferred over GPIB for programming applications using SCPI commands.	Tender conditions prevails.
85.	<b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.2, Measuring and Monitoring Instrument, Sl No.1, Page-150</b>	<b>M/s RDK Tech Solution (India) Pvt Ltd</b>  <b>Considering USB Sensor :</b> <b>10 MHz -8GHz ( for C &amp; ExtendedC - band )</b> <b>10 MHz -18GHz ( for C &amp; Extended C - band and Ku band )</b>	Tender conditions prevails.

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	<p><b>Existing Clause:-</b></p> <p>Frequency Range 10KHz to 9 GHz</p>	<p>Effective frequency range of Power Meter/ Power Sensors is governed by the frequency range of the sensor itself used for making Power measurement and <u>not</u> on the Power Meter. <b>So, we are requesting that the frequency range may kindly be amended to read as 10MHz to 8GHz.</b> This would cover all the measurements relating to C &amp; Ext. C - band referred in the tender docs. Also, there are no applications between 8-9GHz. In case of provision to cover Ku band is also needed the frequency range may kindly be decided accordingly, say 10 MHz to 15GHz or 18GHz.</p>	
86.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 2, Page-150</b></p> <p><b>Existing Clause:-</b></p> <p>Power Range: -70 dBm (100pW) to + 35dBm (3W) With a provision to increase power upto 20W</p>	<p><b>M/s RDK Tech Solution (India) Pvt Ltd</b></p> <p>Our Power Sensor specs for Power measurement range is -60 to +20dBm. For Power Measurement Upto + 20Watt (43dBm) Provision is available to use external 30dB fixed attenuator to increase the measurement range upto + 20Watts</p>	Tender conditions prevails.
87.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 3, Page-150</b></p> <p><b>Existing Clause:-</b></p> <p>Power Reference 0 dBm (1mW), 50MHz with the standard Connectors.</p>	<p><b>M/s RDK Tech Solution (India) Pvt Ltd</b></p> <p>In case of USB Sensors, requirement of Power Reference 0 dBm (1mW), 50MHz is eliminated as no DC correction is required.</p> <p><u>Please amend the spec to read as "Power Reference 0 dBm (1mW), 50MHz with the standard Connectors, (if required/applicable)"</u></p>	Tender conditions prevails.

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88.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 4, Page-150</b></p> <p><b>Existing Clause:-</b></p> <p>Display Four Digit display</p>	<p><b>M/s RDK Tech Solution (India) Pvt Ltd</b></p> <p>Ext. display to be used (PC/Laptop).</p> <p>We request you to kindly amend the specs to read as –  “Four Digit Display – External/Internal”</p>	Tender conditions prevails.
89.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 5, Page-150</b></p> <p><b>Existing Clause:-</b></p> <p>Instrumentation Accuracy</p> <p>1) Watts mode <math>\pm 0.5</math>  2) dBm mode <math>\pm 0.02</math> dB  3) dB REL mode <math>\pm 0.04</math> dB.</p>	<p><b>Not Applicable with USB Sensors.</b></p> <p>We request for kindly amending the spec to read as “Instrument accuracy to be specified, if applicable.”</p> <p>Please delete this specs. As no meter part is involved in case of USB sensor, please <b>amend the spec to read as</b></p> <p>–  “Measurement Uncertainty: <math>\leq 0.20</math>dB for frequency <math>\geq 10</math>MHz. USB Sensors offer much more power measurement accuracy than Meter based power measurement.</p>	Tender conditions prevails.
90.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 6, Page-150</b></p> <p><b>Existing Clause:-</b></p> <p>Noise Less than 1% of FSD</p>	<p><b>M/s RDK Tech Solution (India) Pvt Ltd</b></p> <p>Not Applicable with USB Sensors  (Please delete this spec as not applicable)</p>	Tender conditions prevails.
91.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 7, Page-150</b></p>	<p><b>M/s RDK Tech Solution (India) Pvt Ltd</b></p> <p>Not applicable with USB Sensors.  (PI consider to <b>delete this specification</b> as not applicable for USB Sensors)</p>	Tender conditions prevails.

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	<p><b>Existing Clause:-</b></p> <p><b>Output –</b> Fast leveling : 0 to 1 V each range, 1K ohms impedance</p>		
92.	<p><b>Section VII: Technical Specifications and Quality Assurance, Clause-4.15.1, Measuring and Monitoring Instrument, Sl No. 8 (4), Page-151</b></p> <p><b>Existing Clause:-</b></p> <p><b>Key functions:</b> Enable entry of duty cycle of pulsed signal in range 100% to 0.001%,</p>	<p><b>M/s RDK Tech Solution (India) Pvt Ltd</b></p> <p><b>Duty Cycle Correction 0.01 % to 100 %</b></p> <p>Please consider amending this spec as “Enable entry of duty cycle in Continuous Average Mode 100% to 0.01%”.</p>	Tender conditions prevails.

### Part-II [List of Amendment]

2. The following amendments are hereby incorporated in the floated tender. These changes, wherever it is defined in the text of the tender documents and it may be treated as amend accordingly:

Sl No.	Existing Clause	Amended Clause
<b>Section VIII: Qualification Criteria , Criteria 1, Experience and Past Performance (ii), Page-162</b>		
1.	<p><b>Existing lause:-</b></p> <p>ii) The bidder' should have commissioned at least two numbers (herein after referred as 'The Qualifying Quantity') of 'The Product' in at least one of the last five years ending on 'The relevant Date', and out of which</p> <p>iii) At least one numbers of 'The product' should be in successful operation for at least two years on the date of bid opening.</p>	<p><b>Amendment:</b></p> <p><b>For:</b> <b>Existing entries</b> <b>Read:</b></p> <p>ii) The bidder' should have commissioned at least <b>One</b> numbers (hereinafter referred as 'The Qualifying Quantity') of 'The Product' in last five years ending on 'The relevant Date', and out of which</p> <p>iii) 'And The product' should be in successful operation for at least two years on the date of bid opening.</p>

**Appendix to NIT: Tender Information Summary (TIS), Clause No. 10, Page 9& 10**

2.	<p><b>Existing Clause :-</b></p> <p>PBG: Order value - Applicable @ 10% of Order value - As per DoE, MoF OM No. F.1.2/2023-PPD dated 03.04.2023.</p>	<p><b>Amendment:</b></p> <p><b>For:</b></p> <p><b>Existing entries</b></p> <p><b>Read:</b></p> <p>Applicable @ 5% of Order value - As per DoE, MoF OM No. F.1.2/2023-PPD dated 01.01.2024.</p>
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**Section VII: Technical Specifications and Quality Assurance, Clause 1.3: Scope of work , Page No. 122 & 125**

3.	<p><b>Existing Clause:-</b></p> <p>The DR Hub for POLNET 2.0 should be capable of immediately taking over and maintaining continuity of communications of all VSAT Terminals and operations of the network in case of any emergency / disaster at Main Hub.</p>	<p><b>Amendment:</b></p> <p><b>For:</b></p> <p><b>Existing entries</b></p> <p><b>Read:</b></p> <p>The DR Hub for POLNET 2.0 should be capable of immediately taking over [switch over time should not be more than 10 minutes] and maintaining continuity of communications of all VSAT Terminals and operations of the network in case of any emergency / disaster at Main Hub. The Switch over may be designed in Semi-Automatic configuration with manual trigger.</p> <p>Remaining Tender Conditions prevails.</p>
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**Section VII: Technical Specifications and Quality Assurance, Clause 1.3.5& 4.19, Page-128 &152**

4.	<p><b>Existing Clause:-</b></p> <p>The backhaul connectivity between Main Hub and DR Hub shall be through a separate carrier within the existing transponder bandwidth <b>available within the network through VSAT</b> and also through Terrestrial Leased Line for real time data Mirroring between both the Hubs. Both the backhaul connectivity options should be able to work independently of each other. The Detailed Calculations of minimum bandwidth requirements of backhaul connectivity between Main Hub &amp; DR Hub for both the options shall be provided by the supplier.</p> <p><b>Backhaul through VSAT shall be primary option to be provided by the supplier and provision should also be made for backhaul through Terrestrial Leased Line as a secondary option.</b></p>	<p><b>Amendment:</b></p> <p><b>For:</b></p> <p><b>Existing entries</b></p> <p><b>Read:</b></p> <p>The backhaul connectivity between Main Hub and DR Hub shall be through a separate carrier <b>through a separate VSAT / SCPC link</b> and also through Terrestrial Leased Line for real time data Mirroring between both the Hubs. Both the backhaul connectivity options should be able to work independently of each other. The Detailed Calculations of minimum bandwidth requirements of backhaul connectivity between Main Hub &amp; DR Hub for both the options shall be provided by the supplier.</p> <p>The primary option for the Backhaul should be lease lines on two different alignments for 99.9% availability and secondary option of VSAT / SCPC configuration should be available in case of failure of lease lines.</p>
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**Section VI: Schedule of Requirements Clause 3 , Page-122**

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5.	<p><b>Existing Clause:-</b> Required Delivery Schedule</p>	<p><b>Amendment:</b> <b>For:</b> <b>Existing entries</b> <b>Read:</b></p> <p>3. Supply and delivery of equipment's at Consigneesites: Target Date T+150+X days.</p> <p>4. Installation and commissioning of equipment(s) at consignee location: Target date T+180 +X days.</p> <p>5. Training on Operation, maintenance and management of DR HUB at Buyer's location: Target date T+210+X days.</p> <p>6. Testing and acceptance of sites and DR HUB by DCPW: Target date T+240+X days</p> <p>Where: T- Target date starts from '0' day i.e., the date of issue of AT. X- Obtaining necessary spectrum license from WPC Wing/DOT.</p>
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**Section VII: Technical Specifications and Quality Assurance, Messaging Server, Clause 2.4.10, Page-137**

6.	<p><b>Existing Clause:-</b> The Logs, sent messages, received messages should be archived for finite period.</p>	<p><b>Amendment:</b> <b>For:</b> <b>Existing entries</b> <b>Read:</b></p> <p>The Logs, sent messages, received messages should be archived for atleast for 06 months.</p>
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**Section VII: Technical Specifications and Quality Assurance, Call Manager, Clause 2.5.8, Page-139**

7.	<p><b>Existing Clause:-</b> Provision for archiving the call Data records/recording should be available for a finite period in any open standard format.</p>	<p><b>Amendment:</b> <b>For:</b> <b>Existing entries</b> <b>Read:</b></p> <p>Provision for archiving the call Data records/recording for atleast 50 voice calls, for entire duration of every call should be available for one month in any open standard format.</p>
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**Section VII: Technical Specifications and Quality Assurance, Clause 2.5.1, Page-138**

8.	<p><b>Existing Clause:-</b> The call manager should be compatible with existing call manager installed at Hub with</p>	<p><b>Amendment:</b> <b>For:</b> <b>Existing entries</b> <b>Read:</b></p>
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	<p>provision for Realtime Data Mirroring between Call Manager at Main Hub &amp; DR Hub.</p>	<p>The call manager should be compatible with existing call manager installed at Hub with provision for Realtime Data Mirroring between Call Manager at Main Hub &amp; DR Hub. The call manager at DR Hub can also be configured in Active-Active Redundancy Mode with Call Manager at Main Hub to support Automatic Failover.</p>
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**Section VII: Technical Specifications and Quality Assurance, Clause 2.5.7, Page-138**

<p>9.</p>	<p><b>Existing Clause:-</b></p> <p>The Call manager should be in 1:1 redundancy and must be hot swappable i.e. in case of failure of master server redundant server must take over with a minimal down time without any limitation for the users or end points</p>	<p><b>Amendment:</b></p> <p><b>For:</b></p> <p><b>Existing entries</b></p> <p><b>Read:</b></p> <p>The Call manager should be in 1:1 redundancy and must be hot swappable i.e. in case of failure of master server redundant server must take over with a minimal down time without any limitation for the users or end points. The call manager at DR Hub can also be configured in Active-Active Redundancy Mode with Call Manager at Main Hub to support Automatic Failover.</p>
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**Section VII: Technical Specifications and Quality Assurance, Clause 2.6.1, Page-139**

<p>10.</p>	<p><b>Existing Clause:-</b></p> <p>The Video Conferencing System should be compatible with existing Video Conferencing server installed at Main Hub with provision for Realtime Data Mirroring between VC Server at Main Hub &amp; DR Hub.</p>	<p><b>Amendment:</b></p> <p><b>For:</b></p> <p><b>Existing entries</b></p> <p><b>Read:</b></p> <p>The Video Conferencing System should be compatible with existing Video Conferencing server installed at Main Hub with provision for Realtime Data Mirroring between VC Server at Main Hub &amp; DR Hub. The VC System at DR Hub can also be configured in Active-Active Redundancy Mode with Call Manager at Main Hub to support Automatic Failover.</p>
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**Section VII: Technical Specifications and Quality Assurance, Clause 4.9, Page-146**

<p>11.</p>	<p><b>Existing Clause:-</b></p> <p>Call Manager /Gate Keeper: - Call Manager/Gate Keeper Server (Hardware &amp; Software) in Hot redundancy to cater to the technical requirements Compatible with existing Call Manager installed at Main Hub for Realtime Data Mirroring Call Manager at Main Hub &amp; DR Hub.</p>	<p><b>Amendment:</b></p> <p><b>For:</b></p> <p><b>Existing entries</b></p> <p><b>Read:</b></p> <p>Call Manager/Gate Keeper Server:- Call Manager/Gate Keeper Server (Hardware &amp; Software) in Hot redundancy to cater to the technical requirements Compatible with existing Call Manager installed at Main Hub for Realtime Data Mirroring Call Manager at</p>
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		Main Hub & DR Hub. The Call Manager / Gate Keeper should be compatible with existing Call Manager installed at Main Hub with provision for Realtime Data Mirroring between VC Server at Main Hub & DR Hub.
<b>Section VII: Technical Specifications and Quality Assurance, Clause 4.10, Page-146</b>		
12.	<b>Existing Clause:-</b>  Video Conferencing Server: - Video Conferencing Server (Hardware & Software) in Hot redundancy to cater to the Technical requirements Compatible with existing VC Server installed at Main Hub for Realtime Data Mirroring between Video Conferencing Server at Main Hub & DR Hub.	<b>Amendment:</b> <b>For:</b> <b>Existing entries</b> <b>Read:</b>  Video Conferencing Server: - Video Conferencing Server (Hardware & Software) in Hot redundancy to cater to the Technical requirements Compatible with existing VC Server installed at Main Hub for Realtime Data Mirroring between Video Conferencing Server at Main Hub & DR Hub. The VC System at DR Hub can also be configured in Active-Active Redundancy Mode with Call Manager at Main Hub to support Automatic Failover.
<b>Form 1.3: OEM's Authorization, Sl. No.2, Page - 176</b>		
13.	<b>Existing Clause:-</b>  We further confirm that no Contractor or firm or individual other than Messrs. .... (name and address of the above- authorised dealer) is authorized for this purpose.	<b>Amendment:</b> <b>For:</b> <b>Existing entries</b> <b>Read:</b>  The Sl No. 2 of form 1.3 (OEM's Authorization) may be read as deleted.

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

  
 29/10/24  
 Assistant Director (MM)  
 DCPW, MHA

Copy To:-

- i. Assistant Director (IT) :- With requested to get it incorporated in the official website of DCPW.







