

**Amendment-1**

Date: 21.12.2016

**NIT No. RECPDCL/TECH/Internet-GED/e-Tender/2016-17/2670 Dated: 18.11.2016**

1. Following clause amended as mentioned hereunder.

S. No.	Reference	Existing Clause	Amended clause
1.	Page no. 9 Scope of work Clause 1.2 WAN for Sub-Station offices	<p><b><u>Connectivity media for Primary network:</u></b></p> <p>There will not be any connectivity in office hierarchy. Connectivity of distant locations will be directly connected to Data Center / DR Site, last mile should be on fiber at data center &amp; DR. The proposed spoke location offices (Sub-Station offices) network has to be on a minimum 1 Mbps MPLS VPN connectivity on last mile media Fiber/Copper/ RF.</p> <p>However, if some locations are declared non feasible on aforesaid Media then VSAT connectivity (should not exceed more than 5% of total locations) may be offered as last mile media to connect the respective non-feasible sites subject to successful PoC for SAP transactions and acceptance by RECPDCL.</p> <p><i>*If in future any other media will become feasible, successful bidder has to convert the VSAT links into the available media at that time on request of RECPDCL &amp; the existing VSAT links will work as a secondary connectivity. Charges of the bandwidth for the added media will remain same as per the price quoted in bid.</i></p> <p>Secondary connectivity is not required for location which are connected on VSAT.</p> <p><b><u>Connectivity media for Secondary network:</u></b></p> <p>Bidder need to ensure that offered secondary connectivity should be on different media or on same media with two different base stations of same services provider or different service provider other than primary service provider. However total ownership of primary &amp; secondary connectivity will be with successful bidder</p>	<p><b><u>Connectivity media for Primary network:</u></b></p> <p>There will not be any connectivity in office hierarchy. Connectivity of distant locations will be directly connected to Data Center / DR Site, last mile should be on fiber at Data center &amp; DR. The proposed spoke location offices (Sub-Station offices) network has to be on a minimum 1 Mbps MPLS VPN connectivity on last mile media Fiber/Copper/RF.</p> <p>However, if some locations (<i>should not exceed more than 5% of total locations</i>) are declared non feasible on aforesaid Media then VSAT/4G/3G connectivity may be offered as last mile media for primary connectivity to connect the respective non-feasible sites subject to successful PoC for SAP transactions and acceptance by RECPDCL.</p> <p><i>*If in future any other media will become feasible, successful bidder has to convert the VSAT/4G/3G links into the available media at that time on request of RECPDCL &amp; the existing VSAT/4G/3G links will work as a secondary connectivity. Charges of the bandwidth for the added media will remain same as per the price quoted in bid.</i></p> <p>Secondary connectivity is not required for location which are connected on VSAT/4G/3G.</p> <p><b><u>Connectivity media for Secondary network:</u></b></p> <p>Bidder need to ensure that offered secondary connectivity should be on different media or on same media with two different base stations of same services provider or different service provider other than primary service provider. However total ownership of primary &amp; secondary connectivity will be with successful bidder and he/she will be responsible for meeting of required</p>

		<p>and he/she will be responsible for meeting of required SLAs. The proposed spoke location offices network has to be on a minimum 128 Kbps MPLS VPN connectivity on last mile media Fiber/Copper/RF/VSAT.</p> <p>Bidder can provide secondary links on VSAT only if the above mentioned criteria is not at all feasible.</p> <p>Bidder need to ensure to provide secondary connectivity at all spoke locations, which should be increased year on year basis as per feasibility.</p>	<p>SLAs. The proposed spoke location offices network has to be on a minimum 128 Kbps MPLS VPN connectivity on last mile media Fiber/Copper/RF.</p> <p>Bidder may offer VSAT/4G/3G as last mile media to connect the respective locations for secondary connectivity subject to successful PoC for SAP transactions and acceptance by RECPDCL. Bidder can provide secondary links on VSAT/4G/3G only if the above mentioned criteria is not at all feasible.</p> <p><i>*If in future any other media will become feasible, successful bidder has to convert the VSAT/4G/3G links into the available media at that time on request of RECPDCL. Charges of the bandwidth for the added media will remain same as per the price quoted in bid.</i></p> <p>Bidder need to ensure to provide secondary connectivity at all spoke locations, which should be increased year on year basis as per feasibility.</p>
2	Page no. 14, SLA for Locational link	The vendor Ethernet link should ensure no packet loss. The packet loss shall be measured on sample basis of 1000 PING of 64 bytes and will be measured over a period of 24hrs.	Upto 1% packet loss with 1000 PING is accepted. The latency from locational offices to Data Centre / DR Site should be less than 25 ms at any given point of time.

2. Responses to the pre-bid queries are attached as Annexure-1.