

Addendum & Corrigendum-2
Request for Proposal
For
Creation of OFC Network for BRTS Corridor
and other important SMC Locations
Connected Surat Project – Part 1

RFP No.: SSCDL-ConnectedSurat-OFC-RFP-01-2017

Last date for Online Price Bid Submission: 19.06.2017



Invited by
Surat Smart City Development limited
115, Smart City Cell, Surat Municipal Corporation,
Muglisara, Main Road, Surat - 395003, Gujarat.





Surat Smart City Development Limited

ADDENDUM AND CORRIGENDUM-2

RFP No.: SSCDL-ConnectedSurat-OFC-RFP-01-2017

The Bidders are requested to take note of the following changes made in the RFP documents, which are to be taken in to account while submitting the RFP. They shall be presumed to have done so and submitted the RFP accordingly.

- This Addendum and Corrigendum-2 shall be the part of the RFP documents.
- All items specified in this Addendum and Corrigendum-2 supersede relevant items to that effect as provided in the original RFP documents and subsequent Addendum & Corrigendum. All other specifications, terms and conditions of the original RFP document shall remain unchanged.
- Bidders shall read and consider following points, which shall be a part of the RFP documents.
- ***The queries raised and given by bidders, but the clarifications are not made in this Addendum and Corrigendum shall be considered to remain unchanged as per the terms and conditions mentioned in the original RFP documents.***
- ***Please read above changes across the RFP for both Volume 1 and Volume 2 as applicable. The above changes is also valid for draft Master Service Agreement mentioned in RFP Volume 1***

#	Tender Reference	Existing Clause		Amended / New Clause	
1.	Notice Inviting Express of Interest		<p>Surat Smart City Development Limited (SSCDL) 115, Smart City Cell, Surat Municipal Corporation - HQ, Muglisara, Main Road, Surat - 395003, Gujarat. Notice Inviting RFP for “Creation of OFC Network for BRTS Corridor and Other Important SMC Locations” [SSCDL-ConnectedSurat-OFC-RFP-01-2017]</p> 		<p>Surat Smart City Development Limited (SSCDL) 115, Smart City Cell, Surat Municipal Corporation - HQ, Muglisara, Main Road, Surat - 395003, Gujarat. Notice Inviting RFP for “Creation of OFC Network for BRTS Corridor and Other Important SMC Locations” [SSCDL-ConnectedSurat-OFC-RFP-01-2017]</p> 
		Online Price Bid End Date	<ul style="list-style-type: none"> To be submitted online only on https://smc.nprocure.com on or before 09.06.2017 up to 18:00 hrs. 	Online Price Bid End Date	<ul style="list-style-type: none"> To be submitted online only on https://smc.nprocure.com on or before 19.06.2017 up to 18:00 hrs.
		Technical Bid Submission (in Hard Copy) along with EMD & Bid fee	<ul style="list-style-type: none"> In sealed envelope strictly by RPAD/Postal Speed Post on or before 14.06.2017 up to 18:00 hrs. to the Chief Accounts, Surat Municipal Corporation, Muglisara, Surat – 395003 	Technical Bid Submission (in Hard Copy) along with EMD & Bid fee	<ul style="list-style-type: none"> In sealed envelope strictly by RPAD/Postal Speed Post on or before 22.06.2017 up to 18:00 hrs. to the Chief Accounts, Surat Municipal Corporation, Muglisara, Surat – 395003
		The right to accept/reject any or all bid(s) received is reserved without assigning any reason thereof. GM (IT) Surat Smart City Development Ltd		The right to accept/reject any or all bid(s) received is reserved without assigning any reason thereof. GM (IT) Surat Smart City Development Ltd	
2.	Vol - 2, Section - 7.3, PoP Switch, Page No. - 10	ZX /LH transceiver module for Single Fiber for supporting A maximum distance of 70Kms.		ZX /LH transceiver module for Single Fiber for supporting a minimum distance of 70Kms.	
3.	Vol - 2, Section - 7.3, PoP Switch, Page No. - 13	By enabling access lists, there should not be any impact on the router performance.		By enabling access lists, there should not be any impact on the switch performance.	
4.	Vol - 2, Section - 7.5, Indoor Access Switch, Page No. - 19	The switch should have support for 10G based SR and LRM modules for interconnecting the switch over Multimode OM4 or OM3 grade fiber and Single Mode Fibre.		The switch should have support for 10G based SR and LR modules for interconnecting the switch over Multimode OM4 or OM3 grade fiber and Single Mode Fibre.	
5.	RFP Vol - 2, Section – 7.13, Remote Fiber Monitoring System, Page No. - 67	Clause – 5 : Wavelength support 1310 nm, 1550 nm, 1625 nm		Clause – 5 : Wavelength support 1625 nm / 1650 nm (support of 1310 nm and 1550 nm is optional)	

6. RFP Vol - 2, Section – 7.13, Remote Fiber Monitoring System, Page No. - 67	Clause – 10 : Storage capacity Minimum 80 Gb	Clause – 10 : Storage capacity Minimum 5 Gb internal
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7.5. Revised Specs for Indoor Access Switch for connecting SMC locations

#	Parameters	Minimum Specifications	Bidders Compliance (Yes, No)
1.	Operating Temperature	0°C to 45°C	
2.	General Requirements	<ul style="list-style-type: none"> The switch should be 19” rack mountable The switch should have minimum 24 numbers of 10/100/1000 Base-T ports POE+. All Ports should have POE+ Power from day one and for this additional power supply is required then the same needs to be provided by the Bidder and the cost of the same should be considered per switch The switch should support Auto MDI/MDI-X with Auto-Polarity & Jumbo frames. The switch ports should be 802.3at compliant PoE+ ports Should reduce power consumption in accordance with IEEE 802.3az The switch should support strict priority queuing configuration that helps in ensuring the highest priority packets are given the highest importance and kept ahead of all traffic. The switch should support configuration of priority level per port and either of three: Low, High, and Critical. Priority can be configured per port The switch should have minimum of 4 SFP+ slots The switch should have support for 1000Base-T, 1000Base-SX, 1000Base-LX The switch should have support for 10G based SR and LR modules for interconnecting the switch over Multimode OM4 or OM3 grade fiber and Single Mode Fibre Switch should have distributed switching architecture with passive backplane. The switch should support OpenFlow specifications to enable SDN by allowing separation of the data (packet forwarding) and control (routing decision) paths. Switch should be AC powered switch. 	
3.	Backplane and throughput	<ul style="list-style-type: none"> Switch bandwidth should be minimum 128 Gbps or higher. The switch should have 90 Mpps or higher packet forwarding throughput The switch should support minimum 15K mac address entries 	
4.	Resiliency / Redundancy	<ul style="list-style-type: none"> The switch should support spanning Tree (802.1d) protocol The switch should support Fast Start with Spanning Tree (802.1d) 	

#	Parameters	Minimum Specifications	Bidders Compliance (Yes, No)
		<ul style="list-style-type: none"> • The switch should support Rapid Spanning Tree (802.1w) • The switch should support Multiple Spanning Tree Groups (802.1s) • The switch should load-share the traffic on all the uplinks to core switch • The switch should support BPDU Filter • The switch should be Static 802.3ad compliant • The switch should support 802.3ad LACP • All the uplinks should be passing all vlans traffic with load sharing model. 	
5.	QoS	<ul style="list-style-type: none"> • The switch should support Traffic Policing, DiffServ & 802.1p Prioritisation • The switch should support IP Filtering, and Policies • The switch must support configuring QOS features across the entire stack of switches • The switch should support minimum of 250 VLANs per switch • The switch should support Port-based VLAN • The switch should support Protocol-based VLAN • The switch should have Per VLAN Tagging Support • The switch should support IPv6 vlans • The switch should have capability to support static routing, RIPv1/v2 • The switch should support BootP & DHCP relay • The switch should support Proxy ARP • The switch should support UDP Forwarding • The switch should support IGMP v1/v2/v3 proxy • The switch should support IGMP v1/v2/v3 snooping 	
6.	Security	<ul style="list-style-type: none"> • The switch should support RADIUS Authentication • The switch should support 802.1x Extensible Authentication • The switch should support 802.1x Multiple Host Multiple Authentication per port (MHMA) • The switch should support per user ACL support for 802.1x • The switch should support Configurable Per VLAN MAC learning • The switch should support MAC Authentication Bypass / Guest VLAN with limited access to network • The switch should support DHCP Snooping • The switch should support Dynamic ARP Inspection • The switch should support IP Source guard • The switch should support TACACS+ • The switch should support Endpoint Security- DHCP / dot1x mode support • The switch should support Multiple authentication methods inclusive of 802.1x, MAC Authentication Bypass and Web Authentication with the same consistent configuration 	

#	Parameters	Minimum Specifications	Bidders Compliance (Yes, No)
		<ul style="list-style-type: none"> • The switch should support Multidomain Authentication or concurrent dot1x/ MAC/web schemes per port • The switch should support Layer 2 Threat Defense capabilities for MAN in the MIDDLE Attacks like MAC, IP and ARP spoofing • The switch should support Policy Based ACL • The switch should support Security on Full IPV6 Source and Destination Address 	
7.	Management & Operations	<ul style="list-style-type: none"> • The switch should support Multiple Configuration File Support • Should have accessibility using Telnet, SSH, Console access, easier software upgrade through network using TFTP/HTTP etc. Configuration management through CLI and GUI based software utility/using web interface (HTTP). • The switch should support SNMP v1, v2 & v3. • The switch should support RADIUS Authentication • The switch should have RMON Support per Port (events, alarms, history, statistics) • The switch should have SSHv2 support • The switch should support Simple Network Time Protocol (SNTP) • The switch should support 802.1AB Standards based Auto topology • The switch should support Dynamic power management / EEE (Energy-Efficient Ethernet) • The switch must support encrypting administrator traffic during Telnet and SNMP session there by providing network security. 	