ITI LIMITED
Regd. & Corporate Office, ITI Bhavan,
Doorvaninagar, Bangalore - 560016

CORRIGENDUM-8

Ref: CRP20E001 17-07-2020

Sub: Clarification on RFP

Description	Existing	Revised
Selection of an Experienced IT-Networking Partner for IT Infrastructure Implementation for ERP and other Future Digital Initiatives at NMDC Locations.	**Tender:** Submission Date: 18.07.2020 1200 HRS Opening Date: 18.07.2020 1500 HRS	**Tender:** Submission Date: 24.07.2020 1200 HRS Opening Date: 24.07.2020 1500 HRS
	The enclosed clarification has been uploaded on our eProcurement portal as part of this Corrigendum. Please visit www.tenderwizard.com/ITILIMITED for further details.	

All other terms and conditions of the Tender Enquiry No.CRP20E001/1 dated 20-05-2020 stands un-altered.

Thanking you,

Yours faithfully
For ITI Limited

Dy. General Manager (MM) & CPIO

ITI LIMITED

(A Government of India Undertaking)

Selection of an Experienced IT-Networking Partner
For
IT Infrastructure Implementation for ERP and other Future Digital Initiatives at NMDC Locations.

RFP Ref.No. CRP20E001/1 dated 20.05.2020

Supplier Name & Address:	
Phone No. & Email Id	

Clarifications

S. No	Item	RFP / Corrigendum Clause	Modified Clause	Complied (Yes/No)
1	Distribution Switch – Type 1&2	225K or more and MTBF 585000 Hrs. or more	225K or more and MTBF 360000 Hrs. or more	
2	Access Switch Type-2 (Industrial Grade)	Non-Blocking architecture. Must have EAL3 /NDcPP or above common criteria certification. Should support ITU G.8032 standard.	Manageable Industrial Grade Switch. Should support ITU G.8032 standard **or equivalent**	
3	SAN Switches (DC) – 48 Ports & SAN Switches (DR) – 24 Ports	#5: The switch shall support different port types such as FL_Port, F_port, E_port and EX_port	The switch shall support different port types such as FL_Port, F_port, E_port and EX_port **or equivalent**.	
4	Wireless Controller for Access Points	WLAN Solution should have feature to create captive portal guest users for authenticating using their User ID (Email Address/ Mobile Number/ Member ID) and the received pass code on Email or SMS in order to complete the registration process.	WLAN Solution should have feature to create captive portal guest users for authenticating using their User ID (Email Address/ Mobile Number/ Member ID) and the received pass code on Email or SMS in order to complete the registration process **or any equivalent solution/ third-party components to fullfil the requirement.**	
5	Network Access Control Specification	Must provide a Country wide VLAN monitoring capabilities .	Must provide a Country wide VLAN monitoring capabilities via NAC/NMS or equivalent solution	
6	Network Access Control Specification	Must provide comprehensive remote management support .for all proposed network devices as well as any SNMP MIB-1 or MIB-11 manageable devices.	Must provide comprehensive remote management support .for all proposed network devices as well as any SNMP MIB-1 or MIB-11 manageable devices **through NAC/NMS/EMS or equivalent solution**.	
7	OEM Element Management System (EMS) Specification	Must provide a utility to view and select MIS objects from a tree-based representation and include a compiler for new or third-party MIBs.	Clause is removed	
8	OEM Element Management System (EMS) Specification	Must be able to define policies to rate-limit bandwidth, throttle the rate of new network connections, prioritize based on Layer 2 or Layer 3 QoS mechanisms, apply packet tags, isolate/quarantine a particular port or VLAN, and/or trigger pre-defined actions.	Must be able to define policies to rate-limit bandwidth, throttle the rate of new network connections, prioritize based on Layer 2 or Layer 3 QoS mechanisms, apply packet tags, a particular port or VLAN, and/or trigger pre-defined actions or any NMS/NAC or any thirdparty solution.	

9	OEM Element Management System (EMS) Specification	Should have the capability to reduce risk and ensure your network configurations comply to HIPAA and PCI with that analyses and assesses network configuration for compliance across your entire wired and wireless network.	Should have the capability to reduce risk and ensure network configurations comply to HIPAA / PCI or equivalent with that analyses and assesses network configuration for compliance across entire wired / wireless network.	
10	B. Technical Specification , Section : 1.4. Switch, Indoor Wireless, NAC, EMS etc	VM for installation of NAC and EMS - 4 CPU x86 cores, 64GB RAM, 500GB x 2 disks in failover RAID	"HW for installation of NAC and EMS - 2x 16 Core CPU x86, 64GB RAM, 2x 1.2TB 10K RPM SAS drives (RAID1), 2x 10Gb Dual Ports Adapter with Transceivers and Vmware Standard vSphere or any equivalent hypervisor licenses""	
	Outdoor PTP, PTMP, Wifi etc.			
11	Why is Power Supply 30W 56V required?, kindly share deployment use case as the description of Power Supply is proprietary of one OEM	Please consider 30W 56V only as a metric to ensure Power consumption from UPS.	This is an indicative power consumption parameter. The power consumption should ideally be less than 30W. Regarding availabilty of DC power supply, NMDC will provide AC and UPS power . Bidder will have to factor powe adapter as per the equipment offered.	
12	What is the Antenna Gain required(P2P)	Already specified in Corrigendum-1. Radio transmit power should be >=27db and antenna gain >=23db with a net gain of 50db or more and <=56db as per WPC regulatory compliance.	Radio transmit power should be >=27db and antenna gain >=23db with a net gain of 50db or more and COMPLY as per LATEST WPC regulatory compliance.	
13	Antenna gain 120 deg Sector Antenna asked for to operate in Single Polarised or Dual Polarised Mode not mentioned in the Tender specifications (PTMP)	A dual polarised mode is preferred. Already mentioned in corrigendum-1. Query- "None of the Sector Antenna manufactures make Sector Antenna greater than 16/18dBi, also for Point to Multi Point the max EIRP is upto 36dBm (Tx Power + Antenna Gain - Cable Loss), Refer attached WPC Notification"	The antenna and Radio should be from same OEM and EIRP should be equal to WPC guidelines for maximum gain.	
14	**Remote: Radio for PMP:** Aggregated Throughput is not mentioned	It should be 300Mbps or more in 40Mhz channel width. Already mentioned in corrigendum-1. Query: The Throughput for Base Station and Remote Radio cannot be same as 300Mbps which means only one CPE can be connected with BTS at a given time and not 4 CPEs.	By varying the uplink and downlink speeds more remote radios can be connected and maximum throughput of 300 Mbps will not be exceeded.CPE shall be configurable for variable speedof uplink & downlink.	
15	Outdoor Wi-Fi Access Point.	Query: To ensure that the devices from moving equipment connect easily Outdoor Wi-Fi access points, please consider removing the deep packet inspection at the WAP level. Firewalls at the core of the network will elegantly enable the prevention of access by rogue applications. **PLEASE DELETE THIS CLAUSE** as it may slowdown the outdoor Wi-Fi network making it operate sub-optimally.	Clause is optional and Deep packet inspection may be at Firewall level.	
16	Outdoor Wi-Fi Access Point.	Security Solution must provide Rouge AP Detection by comparing Mac Address forwarding tables in common enterprise class Ethernet Lan Switches.	Please read the clause as "Security Solution must provide Rouge AP Detection"	