



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

**CORRIGENDUM-2**

Ref: CRP20E001

08-06-2020

**Sub: Amendment in RFP/NIT**

Description	Existing	Revised
<b>Selection of an Experienced IT-Networking Partner for IT Infrastructure Implementation for ERP and other Future Digital Initiatives at NMDC Locations.</b>	<b>Tender:</b> Submission Date: 11.06.2020 12 Hrs Opening Date: 11.06.2020 15 Hrs	<b>Tender:</b> Submission Date: 15.06.2020 12 Hrs Opening Date: 15.06.2020 15 Hrs
	The following have been uploaded as part of the Corrigendum on <a href="http://www.tenderwizard.com/ITILIMITED">www.tenderwizard.com/ITILIMITED</a>  1) Compliance on Clarifications to vendors Technical Queries 2) Compliance on Clarification to Techno-Commercial Queries	

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

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

Supplier Name & Address:					
Phone No. & Email Id					
S.No	Clause No.	Page No.	Existing Condition	Revised As	Compliance (Yes/No)
1	Firewall	56-58	OEM should be having recommended rating from NSS Lab's Next Generation Firewall from past 2 years	As per RFP	
2	Firewall	56-58	OS should be "IPv6 Phase II Ready" certified	As per RFP	
3	Firewall	56-58	The VPN should be integrated with firewall and should be ICSA Labs certified for IPsec VPN	As per RFP	
4	Firewall (DR & Perimeter) – Type 2	58-61	same as above	As per RFP	
5	Firewall (Perimeter) – Type 3	64-67	same as above	As per RFP	
6	Firewall (Server Farm) – Type 4	67-70	same as above	As per RFP	
7	Firewall (PLC Network) – Type 5	70-73	same as above	As per RFP	
8	Annexure VI P2P Radio Links (for Workshop @ Bacheli)	242		It should be 300Mbps or More in 40Mhz channel width.	
				Link may be required upto 15km	
				Data, Video and Voice all three.	
				PTP Radio should be carrier class Radio (based on non Wi-Fi Chipset) with 27dB or better Tx power, 2x2 OFDM delivering 300Mbps or more throughput with 40Mhz channel width. Should be IP66 or better with -20 to +60degree temprature support and ruddegdised, should have Gigabit Eth port, channel size 5, 10,15,20, 30, 40 MHz, MTU 1700Byte, FIPS-197 128/256-bit AES IPv4/IPv6 (dual stack), Telnet, FTP, SNMPv2c, v3. should support Govt Regulations as per GSR-1048(E). safety standards - UL 60950	
				As per RFP	
				Power consumption should be less then 20W hence a power supply of 30W is recommended. As per RFP.	
				Integrated/ External Antenna.	
				Should be 23dB or better.	
				Each tower expect to have more then one Radio and in high interference existance hence GPS sync is required.	
9	Annexure VI PMP Radio	243		It should be 300Mbps or More in 40Mhz channel width.	
				Link may be required upto 10km	
				Data, Video and Voice all three.	
				As per RFP	
				Integrated/ External antenna.	
				Should be 23dB or better.	
10	Point # 122 ; Unlimited Virtual SMP Section 2.8	Manag ed Service s Page 117 of 127		As per RFP	
11	Point # 155 ; VMWare vRealize Operations Standard Section 2.8	Manag ed Service s; Page 118 of 127;		As per RFP	

12	Enterprise Management System (EMS) Solution (DC & DR) SI. No	50/127	Make & Model: Any Reputed Make	CA(BroadCom)/Microfocus/IBM	
13	<u>2.1(Vi)Network Access Control Specification... Vi(10)</u>	192/85	Able to build Interactive topology maps to locate the end systems per network connectivity	Able to build Interactive topology maps to locate the end systems per network connectivity or equivalent solution	
14	Vi(14)	192/85	Must provide interoperability with Microsoft NAP and Trusted Computing Group TNC.	Must provide interoperability with Microsoft NAP	
15	Vi(16)	192/85	Support Manipulation of Radius Attributes for Authentication as well as Radius Accept	As per RFP	
16	Vi(17)	192/85	Must have SNMP MIB compile capability to integrate any 3rd party snmp compliant device	Removed	
17	Vi(19)	192/85	Must provide the capabilities to modify, filter, and create your own flexible views of the network devices based on selectable SNMP OID	As per RFP	
18	Vi(21)	192/85	Must provide a utility to view and select MIB objects from a tree-based representation	Removed	
19	Vi(23)	192/85	Must provide comprehensive remote management support for all proposed network devices as well as any SNMP MIB-I or MIB-II manageable devices.	As per RFP	
20	Vi(1)		Dedicated redundant hardware Appliance or virtualized platform and one Centralized Console. Should be supplied with 1000 AAA (Endpoint Security) licenses.	Dedicated redundant hardware Appliance or virtualized platform and one Centralized Console. Should be supplied with 1000 AAA (Endpoint Security) <b>perpetual</b> licenses.	
21	Vi(2)		Should be able to integrate with all makes of manageable network devices which can support open standard based protocols required for NAC operation	As per RFP	
22	Vi(7)		Should be able to perform posture check for compute end points (Windows & MAC) for OS health for parameters like Registry Keys, allowed process, AV or Firewall Enabled etc.	As per RFP	
23	Vi(9)		Should be able to perform VAPT check using custom built-in scanner for network-based vulnerabilities	Should be able to perform VAPT check using built-in or integrating with third-party scanner for network-based vulnerabilities	
24	2	91	<b>PASSIVE RELATED : ii) Optical Fiber Cable (OFC)</b> Cable weight less than 180Kg/KM	PASSIVE RELATED : ii) Optical Fiber Cable (OFC) Cable weight 180Kg/KM or more	
25	19	93	<b>v) CAT 6A Cable</b> Fire rating: IEC 60332	<b>v) CAT 6A Cable</b> Fire rating: IEC 60332-3-22	
26	16	93	<b>v) CAT 6A Cable</b> Breaking Strength 400N (Maximum)	<b>v) CAT 6A Cable</b> Pulling Tension, Max. 11.34 Kg/ 25 lb	
27	ix)	95	<b>ix) CAT6A U/UTP MPTL Plugs</b> CAT6A U/UTP MPTL Plugs	<b>ix) CAT6A U/UTP MPTL Plugs</b> CAT6A U/UTP MPTL Plugs or equivalent	
28	3	95	<b>x) CAT 6 Cable</b> The 4 pair Unshielded Twisted Pair cable shall be UL Listed. Cable should also be tested and verified by ERTL	<b>x) CAT 6 Cable</b> The 4 pair Unshielded Twisted Pair cable shall be UL Listed. Cable should also be tested and verified by ETL	
29	7	95	<b>x) CAT 6 Cable</b> Dielectric Strength of cable should be 1.0KV dc	<b>x) CAT 6 Cable</b> Dielectric Strength of cable should be 2500V dc	
30	7	96	<b>xi) CAT6 Patch Cord (2 Meter)</b> Jacket: PVC UL-94V-O	<b>xi) CAT6 Patch Cord (2 Meter)</b> Jacket: LSZH	
31	13	97	<b>xii) CAT6 UTP Information Outlet</b> Surface mount box with single RJ45 socket to terminate UTP CAT 6 Cable	<b>xii) CAT6 UTP Information Outlet</b> Surface mount box should be compatible with single RJ45 socket to terminate UTP CAT 6 Cable	
32	1	97	<b>xiii) CAT6 Jack Panel</b> The Cat-6 transmission performance is in compliance with ANSI/TIA-568-C.2, ISO/IEC 11801 Ed.2 and EN 50173-1 specification <b>with LED indicator at each Port</b>	<b>xiii) CAT6 Jack Panel</b> The Cat-6 transmission performance is in compliance with ANSI/TIA-568-C.2, ISO/IEC 11801 Ed.2 and EN 50173-1 specification	
33	2	00 of 12	<b>RACKS RELATED: 24U ( Indoor and outdoor ) rack IP rated and non IP rated both specs are same but few points vary as below kindly confirm on the same</b> IP 55 rated or above	24U (Outdoor) IP 55 rated or above	
34	2	00 of 12	<b>24U ( Indoor and outdoor ) rack IP rated and non IP rated both specs are same but few points vary as below kindly confirm on the same</b> IP 55 rated or above	24U (Indoor) IP 20 rated or above	
37	3	00 of 12	<b>24U ( Indoor and outdoor ) rack IP rated and non IP rated both specs are same but few points vary as below kindly confirm on the same</b> Racks should provide sufficient cable entry and Exit cut-outs in top and bottom of the rack	Racks should provide sufficient cable entry and Exit cut-outs in top or bottom of the rack	
35	5	00 of 12	<b>24U ( Indoor and outdoor ) rack IP rated and non IP rated both specs are same but few points vary as below kindly confirm on the same</b> Rack should support static load of at least 750 KGs on casters & Levellers	Rack should support static load of at least 750 KGs on plinth as per the site requirement	

36	13.2	08 of 12	<b>UPS RELATED :REPO ( Remote Emergency Power off ) / ROO ( remote on off ) Port</b> Provide both onsite & remote EPO to shutdown UPS when emergency situation happens . REPO port with a user supplied switch	<b>UPS RELATED :REPO ( Remote Emergency Power off ) / ROO ( remote on off ) Port</b> Provide onsite EPO to shutdown UPS when emergency situation happens .	
37	Additional Query	Additio nal Query		Varies from 300 to 600 mm depending on site (Charges as per actual)	
38	Additional Query	Additio nal Query		Termination at Bottom is preferred	
39	Additional Query	Additio nal Query		As per RFP	
40	xx	101	1kVA Online UPS (Accepted Makes: APC, Vertiv/ Emerson, Numeric, Delta Power)	As per RFP	
41	1 kVA : Technical Capability , Point 2 C	209	Wide input voltage range in 110-280 VAC	As per RFP	
42	1 kVA : Input Voltage Range , Point 4.2	209	80-280VAC Range (Full Load) 175~280VAC Range (50 ~ 100% load is required) 80~175VAC	110-280VAC Range (Full Load) 175~280VAC Range (50 ~ 100% load is required) 110~280VAC	
43	1kVA Online UPS 4.3 Nominal Input Frequency	209	50 Hz +/- 10 Hz	As per RFP	
44	1kVA Online UPS 11.8 Charger Current	211	4A extended upto 8A with internal charger (OPTIONAL)	As per RFP	
45	1kVA Online UPS 14.8 Packaging Material / Vibration Withstand & Drop Test	211	Recyclable (No CFC) & 1. Vibration testing as per ISTA -1G Non operational with Packing	As per RFP	
46	Input Voltage Range	212	230/400V, 240/415V (3Φ4W) Range (Full Load) 173~276 / 300~477VAC Range (Derating to 70% Load) 132~173 / 228~300VAC	As per RFP	
47	16.1 Manufacturer	216	ISO 9001: 2015, ISO 14001: 2015, ISO 18001: 2007	As per RFP	
48	30kVA Online UPS : Technology & Capability	212	i) Should have Dual Aux power design.	As per RFP	
49	15.4 30kVA Online UPS Operating Altitude	215	0 to 3000m(0 To 10000ft)	As per RFP	
50	15.11 30kVA Online UPS -Packaging Material / Vibration Withstand & Drop Test	216	Recyclable (No CFC) & 1. Vibration testing as per ISTA -1G Nonoperational with Packing	As per RFP	
51	12 Battery Backup / Battery Bank & Charger Page No. 214 of 251			Blank	
52	12.1 Backup Required			30 minutes at 0.8 pf output	
53	12.8Charger type / Charging Method & Charging Voltages	214	Constant Voltage Constant Current Solid state SMPS charger Float Charge 270V±(2V) Boost Charge 280V±(2%V)	Constant Voltage Constant Current Solid state SMPS charger as per System DC voltage.	
54	Storage for DC & DR (Page No :28) Point 4 : Capacity & Scalability	28	Offered Storage array shall support minimum of 480 SSD's	Offered Array shall be scalable to more than 280 numbers of SSD drives from day 1 at the time of bidding with proposed configuration, without clustering/ federation/ additional controllers in future.	
55	Storage for DC & DR (Page No :29) Point 5 : Cache	29	Offered Storage Array shall be given with Minimum of more than 128GB cache in a single unit and shall be scalable to more than 256GB.	Offered storage array shall be given with 256GB or higher cache in a single array without clustering/federation.	

56	Storage for DC & DR (Page No :29) Point 13 : Host Ports and Back-end Ports	29	Offered Storage shall have minimum of 12 X 16Gb FC Ports for host connectivity. All types of ports shall be 100% scalable.  Offered storage shall have minimum of 16 SAS lanes running at 12Gbps speed and shall be scalable to 32 SAS lanes without any controller change.	Offered Storage shall have minimum of 12 X 16Gb FC Ports for host connectivity. All types of ports shall be 100% scalable.  Offered storage shall have minimum of 16 SAS/PCIe lanes running at 12Gbps speed or higher and shall be scalable to 32 SAS / PCIe lanes without any controller change.	
57	Storage for DC & DR (Page No :30)	30	Additional Point (ITEM : Vmware Integration)	As per RFP	
58	Disk Backup for DC & DR (Page No : 32)  2. Disk backup	32	When fully populated, offered device shall support rated write performance of more than 16TB per hour in native mode	As per RFP	
59	Disk Backup for DC & DR (Page No : 32)  2. Disk backup	32	When fully populated, offered device shall supported rated write performance, when enabled with source level deduplication, of more than 30TB/hr	As per RFP	
60	Disk Backup for DC & DR (Page No : 32)	32	Suggested/Additional Clause	As per RFP	
61	Disk Backup for DC & DR (Page No : 32)	32	Suggested/Additional Clause	As per RFP	
62	Tape Library (Page No :33)  Point 2 : Capacity	33	Offered Tape Library shall support Native data capacity of 3.3PB (uncompressed) using LTO-8 Technology. Shall be offered with Minimum of Four LTO-8 FC tape drive. Drive shall support encryption, minimum 80 media slots from day 1. Shall be offered with 80 RW LTO-8 Cartridges and 4 Cleaning cartridges Shall be scalable 270 cartridge slots with additional enclosures	As per RFP	
63	Page 34 of 127: Backup Software for DC & DR	34 of 127	Suggested/Additional Clause	As per RFP	
64	Page 34 of 127: Backup Software for DC & DR	34 of 127	Suggested/Additional Clause	As per RFP	
65	Page 34 of 127: Backup Software for DC & DR	34 of 127	Suggested/Additional Clause	As per RFP	
66	Page 34 of 127: Backup Software for DC & DR	34 of 127	Suggested/Additional Clause	As per RFP	
67	1.2 DC & DR Software, Pt.No. 7 & Page # 110	110	SUSE Linux for SAP 2Skt Unlimited Guest OS with 5 yrs support	As per RFP	
68	Local Server Software: Operating System for xMII Servers Item 1 & Page # 111	111	SUSE Linux for SAP 2Skt Unlimited Guest OS with 5 yrs support	As per RFP	
69	Local Server Software:ADS, Antivirus & Patch Mgmt Servers operating system Item 1 & Page # 4	4	Windows server standrad Operating System 2019	As per RFP	
70	1.2. DC & DR Software, Pt.No. 1 - Operating System for App Servers, Pg.No. 110	110	SUSE Linux for SAP 2Skt Unlimited Guest with HA - 10 Qty	SUSE Linux for SAP 2Skt Unlimited Guest with HA - 8 No's & Latest Windows Server Datacenter Edition - 2 No's (Refer Sizing sheet for number of Suse and Windows and VMWare Licenses).  <b>ITI to make changes in the BoQ accordingly</b>	
71	c) Blades for Legacy Servers in DC, Pt.No.4 Hard disk drive with carrier, Pg.No. 130	130	2 x 600GB SSD RAID5	2 x 600GB SSD RAID1	

72	HANA Servers: Factory Integration		Suggested Clause/additional Clause e.) - other general specifications : SI # 7 of Page # 18 of 127	As per RFP	
73	HANA Servers: Appliance Support		Suggested Clause/additional Clause e.) - other general specifications : SI # 7 of Page # 18 of 127	As per RFP	
74	HANA Servers: Operating System		Suggested Clause/additional Clause e.) - other general specifications : SI # 7 of Page # 18 of 127	As per RFP	
75	Core Switches (DC and DR)> Page number 39>Hardware Specification>Point 1	39	Centralized wire capacity: switch at least 9.6 Tbps switching bandwidth or more	Centralized wire capacity: switch at least <b>15 Tbps</b> switching bandwidth or more	
76	One time Charges for Colocation & Managed Services / Pg.No. 248	248	Supply of 42 U, 600mm*1000mm Server Rack. (DC -10, DR-4)	Supply of 42 U, 800 mm x 1200 mm Server Rack (DC-4, DR-2) Supply of 42U, 800 mm x 1000 mm Server Rack (DC-6, DR-2)  <b>ITI to make the changes in the BoQ accordingly</b>	
77	One time Charges for Colocation & Managed Services / Pg.No. 119 & 248	119 & 248	Powered On Colocation Full Rack space. 6 KVA Rated with Bundled Power. (DC)	As per the power sizing of the proposed hardware	
78	One time Charges for Colocation & Managed Services / Pg.No. 119 & 248	119 & 248	Powered On Colocation Full Rack space. 6 KVA Rated with Bundled Power. (DR)	As per the power sizing of the proposed hardware	
79	2.2. DC & DR Software: Enterprise Management System (EMS) Solution (DC & DR) & Page # 157	157	Enterprise Management System (EMS) Solution (DC & DR)	To be deployed HA in DC and Non HA in DR	
80	1 Background and Scope 1.1 Scope of Work : Page no: 56	56	Implementation and commissioning of ITSM tools for Asset management, incident,problem and change management as part of the solution. Tool proposed should be leader in Gartner quadrant and key stakeholders from NMDC should have access tothe dashboards on the tool	Implementation and commissioning of ITSM tools for Asset management, incident,problem and change management as part of the solution. Tool proposed should be <b>present</b> in Gartner quadrant and key stakeholders from NMDC should have access to the dashboards on the tool	
81	2.2. DC & DR Software: Enterprise Management System (EMS) Solution (DC & DR) & Page # 157	157	The proposed helpdesk should have solutions like : Incident management, Problem Management, Change Management, Knowledge Management, Service Level Management, Service Asset and Configuration management, Service Catalogue and Request Fulfilment, etc. The certification copies to be submitted	As per RFP	
82	2.2. DC & DR Software: Enterprise Management System (EMS) Solution (DC & DR) & Page # 157  Network Fault Monitoring & Performance Management with Reporting	157	Suggested/Additional Clause	As per RFP	
83	2.2. DC & DR Software: Enterprise Management System (EMS) Solution (DC & DR) & Page # 157  Network Fault Monitoring & Performance Management with Reporting	157	Suggested/Additional Clause	As per RFP	

84	2.2. DC & DR Software: Enterprise Management System (EMS) Solution (DC & DR) & Page # 157  Network Fault Monitoring & Performance Management with Reporting	157	Suggested/Additional Clause	As per RFP	
85	Co-location of DC and DR	2	Establishment of a DC and DR (on Co-Location basis at MeitY Empaneled Service Provider) to host the Applications of NMDC such as SAP S/4 HANA ERP at DC, located in Hyderabad and DR located in another city and another seismic zone.	As per RFP	
86	Integration	2	Supply, Installation, Integration, Testing, Commissioning and Support (SiitcS) of LAN and WAN Networks.	Migration of Legacy Application data is not in the scope of SI	
87	MPLS/VPN	2	Provide/ Upgrade of existing MPLS/ VPN at 15 locations.	As per RFP	
88	Internet	2	Provide / upgrade of Internet leased line at HO, Projects and other locations.	To be accounted by the bidder and will not be arranged separately	
89	Security Breach including Data Theft/Loss/Corruption	37	Any incident where in system compromised or any case wherein data theft occurs (including internal incidents)	These services are to be provided by DC & DR service provide as part of managed services.	
90	Data Center and DR Co Location	57	Please add	As per RFP	
91	General Requirements Colocation & Managed Services	59	Perform Due Diligence study and submit report for Migration of legacy applications not being covered under SAP data migration (e.g. Intranet Portal, Vigilance application etc.) at HO and Sites to DC & DR.  Perform Due Diligence Study and submit plan for Migration and support of legacy applications (e.g. HRMS/FAS/PMS/ IMS/Payroll etc.) for historical reporting for statutory requirements.	Migration of legacy application is out of scope of the RFP	
92	ADC, AV, WAN Optimizer, Link Load Balancer etc.	62	Network diagram is having components like ADC, AV, WAN Optimizer, LLB etc.	ADC and AV are available	
93	Kirandul Network Design/Single Line Diagram	65	In Single Line Diagram, It is mentioned about SD-WAN deployment.	As per RFP	
94	AD, Mail, Backup & Misc Servers	110	Blades for ADS, Mail, Backup & Misc Servers	As per RFP	
95	Network Components	112	Transceiver Count	As per RFP	
96	NOC	121	Seating arrangement to be provisioned by NMDC for 6 persons	As per RFP	
97	SAN Switches (DR) -24 Port	144	Minimum Dual SAN Switches shall be configured where each SAN Switch shall be configured with 24*16Gbps FC Ports on each switch	As per RFP	
98	DC-DR Services	225	Please add	As per RFP	
99	Hardware Blade for EMS	235	Blades for EMS Servers in HA 2+2 - 4 Units	As per RFP	
100	WLC-Guest Authentication	241	Wireless LAN Controller for Access Points	SMS Gateway required for OTP	
101	Core Switch Type-2 & 30 KVA UPS	241	Need Clarification	As per RFP	
102	Passive Cabling and Non-IT Infra for Data Center & NOC		Need Clarification	As per RFP	
103	Raw Power Quality Testing		Add this clause	As per RFP	
104	Log Retention		Need Clarification	As per RFP	
105	Seating Space in DC for OEM/ IP/ SI/ NMDC	119 & 248	Seating Space in DC for OEM/ IP/ SI/ NMDC	As per RFP	
106	Back Box Size	116 & 117	45mm x 45mm Backbox	Back Box should be compatible with the proposed Faceplate	

107	Dimensions of Caping & Casing / PVC conduits / HDPE pipes	246	Installation, Testing and Commissioning of Horizontal Cable Links along with supply of requisite Caping & Casing / PVC conduits / HDPE pipes	HDPE Pipes, PVC and all accessories required for laying and installation needs to be quoted by the bidder	
108	Tower / Pole	242	Tower / Pole, 5m, Galvanized steel, with grouting base and accessories with Lightning Arrestors	Tower / Pole, 5m, Galvanized steel, with grouting base and accessories with Lightning Arrestors. As per industry standard, Min. 10 cm diameter pole shall be used or as required section wise.	
109	Tower / Pole	242	Tower / Pole, 15m, Galvanized steel, with grouting base and accessories (some will be mounted on Wi-Fi zone towers)	Tower / Pole, 15m, Galvanized steel, with grouting base and accessories (some will be mounted on Wi-Fi zone towers). As per industry standard, Min. 10 cm diameter pole shall be used or as required section wise.	
110	a) Core Switch – Type 1	180	24 Port 10G SFP Line Card, 24 Port 1G SFP Line card and 48 Port Copper 1G/10G Ports – each or 48 port 1/10G SFP+. Switch should support 40/100 Gbps ports module cards scalability in same hardware from day 1.	24 Port 10G SFP Line Card, 24 Port 1G SFP Line card and 48 port 1/10G SFP+. Switch should support 40/100 Gbps ports module cards scalability in same hardware from day 1.	
111	vi) Network Access Control Specification	191	Should be able to gather Detailed identity and access information with OS and device fingerprinting for Blackberry, Symbian, iOS, Android, OSX, Windows and more	Should be able to gather Detailed identity and access information with OS and device fingerprinting for Blackberry, iOS, Android, OSX, Windows and more	
112	a) Access Switch – Type 1 Support	185	The OEM should provide support services 24x7 TAC with L1, L2 and L3 for 5 years free of cost. India toll free number should be reflected in official website of the OEM.	The OEM should provide support services 24x7 TAC ( <b>Hardware Replacement - NBD</b> ) with L1, L2 and L3 for 5 years free of cost. India toll free number should be reflected in official website of the OEM.	
113	b) Access Switch (Industrial Grade) – Type 2	186	The OEM should provide support services 24x7 TAC with L1, L2 and L3 for 5 years free of cost. India toll free number should be reflected in official website of the OEM.	The OEM should provide support services 24x7 TAC ( <b>Hardware Replacement - NBD</b> ) with L1, L2 and L3 for 5 years free of cost. India toll free number should be reflected in official website of the OEM.	
114	Centralized wire capacity	146	<b>vii) Core Switches (DC and DR) Hardware Specification</b> switch at least 9.6 Tbps switching bandwidth or more	<b>vii) Core Switches (DC and DR) Hardware Specification</b> switch at <b>least 15 Tbps</b> switching bandwidth or more	
115	Per Slot Switching Capacity	146	2.4 Tbps	As per RFP	
116	Storage	146	At least 1 GB SSD/Flash	As per RFP	
117	viii) TOR Switches for DC & DR			Blank	
118	Architecture	146	The switch should have Minimum of 1GB flash/SD RAM/DDRAM/SSD	As per RFP	
119		146	MAC Address table size of 128,000 entries	As per RFP	
120	v) Wireless Controller for Access Points			Blank	
121		189	The proposed WLC should support both centralized as well as distributed traffic forwarding architecture from day 1. It should be IPv6 ready from day one.	As per RFP	
122	vii) OEM Element Management System (EMS) Specification			Blank	
123		194	Must be able to download text-based (ASCII format) configuration templates to one or more devices.	As per RFP	
124	Name and model no	102/3.1	1kVA /0.9kW	1kVA /0.8kW	
125		101/4.2	80-280VAC Range (Full Load) 175~280VAC Range (50 ~ 100% load is required) 80~175VAC	110-280VAC Range (Full Load) 175~280VAC Range (50 ~ 100% load is required) 110~280VAC	
126	Overload	103/8.1	<105% : continuous ; 105% ~ 125%: 1 minutes; 120% ~ 150%: 30 seconds; >150%: 0.5 seconds only	<105% : continuous ; 105% ~ 125%: 1 minutes; 130%: 1 seconds	
127	Noise level	104/14.6	< 40 dbA at 1 meter distance	< 50 dbA at 1 meter distance	



128	Output Voltage Distortion (THDu)	106/5.7	< 1.5 % (linear load)	< 2 % (linear load)	
129	Maintenance Bypass	106/7.4	1.UPS should have option for manual maintenance bypass	As per RFP	
130			2. Maintance bypass cover removal sensing.	2. Maintenance bypass needs to be sensed and needs to be displayed at front panel	
131			3.The maintenance bypass should provide for Hot-swap of the faulty UPS PWB for repairs / service.	3. Hot-swap should be there in the bypass system (100% Load needs to be taken care in bypass)	
132	Inverter Overload capacity	107/9.1	≤105 %: continuous,106% ~ ≤125%: 10 minutes; 126% ~ ≤150%: 1 minute; >150%: 1 second	≤105 %: 1 Hr; 106% ~ ≤125%: 10 minutes; 126% ~ ≤150%: 1 minute;	
133	Battery Bank VAh (Vendor to include battery sizing calculations with tender)	107/12.3	26000 or higher	As per RFP	
134	Battery End Cell Voltage	108/12.11	1.75 V/cell	1.7 V/cell or above	
135	B. Technical Specification , Section : 2.4. Switch,EMS i) Core Switches for Site Locations (a & b)Core Switch – Type 1 & 2,Clause No.5,Feature Availability,Page No.180,183		Switch Should support ISSU(In Service Software Upgrade)	As per RFP	
136	B. Technical Specification , Section : 2.4. Switch,EMS i) Core Switches for Site Locations (a & b)Core Switch – Type 1 & 2,Clause No.5,Feature Availability,Page No.180,183		Should support Migration of Port Profiles or equivalent	As per RFP	
137	B. Technical Specification , Section : 2.1. DC & DR Hardware viii) TOR Switches for DC & DR 1. Architecture;Clause no.1.5; Page No.146		MAC Address table size of 128000 entries or more.	As per RFP	
138	B. Technical Specification , Section : 2.4. Switch,EMS i) Core Switches for Site Locations (a & b)Core Switch – Type 1 & 2,Clause No.5,Feature Availability,Page No.180,183		Should support at least 24X1/10Gbps SFP and 2X10/40/100 Gbps ports should be Ready from day 1	As per RFP	
139	B. Technical Specification , Section : 2.4. Switch,EMS; iii) Access Switches for Site Locations b) Access Switch (Industrial Grade) – Type 2;Clause 7.VLAN Support		a.Minimum 1000 VLANs	As per RFP	

140	B. Technical Specification , Section : 2.4. Switch,EMS; iii) Access Switches for Site Locations iv) Access Point (Indoor);Radio Features-Clause No.11;Page No.188.		Maximum conducted transmit power shall be 23 dBm on both 2.4 and 5 GHz	Maximum conducted transmit power shall be 23 dBm on both 2.4 and 5 GHz. As per WPC norms the permissible EIRP (combination of Max Transmit power + Antenna Gain) as per India norms if 26dbm.	
141	B. Technical Specification , Section : 2.1. DC & DR Hardware vii) Core Switches (DC and DR);Clause no.6- Feature Availability ;Page No.145		Switch Should support ISSU(In Service Software Upgrade)	As per RFP	
142	B. Technical Specification , Section : 2.1. DC & DR Hardware ix) 1G Switch (DC & DR) ; 1. Architecture;Clause no.1.3; Page No.148		The switch should support 2*10-Gigabit ports SFP+ loaded with 2*SR transceivers and 2* RJ-45 1/10GBASE-T ports in addition to the above ports	As per RFP	
143	B. Technical Specification , Section : 2.1. DC & DR Hardware vi) SAN Switches for DC & DR ; a) SAN Switches (DR) – 48 Ports Clause No.5 and b) SAN Switches (DR) – 24 Ports;Clause No.6		#5: The switch shall support different port types such as FL_Port, F_port, E_port and EX_port	#5: The switch shall support different port types such as FL_Port, F_port, E_port and EX_port or equivalent.	
144	B. Technical Specification , Section : 2.1. DC & DR Hardware; v) Backup Solution for DC & DR; b) Tape Library ,Clause No.8-Encryption device ;Page No.140		<u>Encryption Device</u> : Offered Library shall be provided with a hardware device like USB key or separate appliance etc to keep all the encrypted keys in a redundant fashion.	As per RFP	
145	B. Technical Specification , Section : 2.1. DC & DR Hardware; v) Backup Solution for DC & DR; b) Tape Library - Other Features;Clause No.11 ,Sub Clause No.5 ; ;Page No.141.		Offered Drives in the tape library shall optionally support both Data path and control path failover.	As per RFP	
146	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.122,Clause 2.1 (i) (a)		4 X Intel 8276 Platinum Processor, 28 Core, 2.2 Ghz	As per RFP	
147	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.124,Clause 2.1 (i) (E)		3. Clustering solution to be provided for application and HANA Boxes	As per RFP	

148	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.124,Clause 2.1 (i) ,Point no.4,Cluster Network		4. The heartbeat network, required to setup the HA solution, should be separate from the actual Data and User network. Minimum 2 nos. 24- port 1G Ethernet switches should be included in the solution to setup the cluster and management network between 2 HANA boxes.	As per RFP	
149	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.124,Clause 2.1 (i) ,Point no.7,Warranty & Support Services		5 Years 24 x 7 Support with 6hr Call to resolution. Warranty shall be directly from OEM including Software upgrades/updates. The OEM should have the capability to offer lifecycle services like OS Upgrades, Patch Management and HANA DB Upgrade.	As per RFP	
150	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.125,Clause 2.1 (ii)Application Servers for DC & DR (a) Blade Enclosure; Blade Chassis		Solution to house the required number of blade servers in smallest number of enclosures. Should support full height and half height blades in the same enclosure, occupying a max of 7U/10U rack height	Solution to house the required number of blade servers in smallest number of enclosures. Should support full height and half height blades in the same enclosure, occupying a max of 10 U rack height	
151	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.125,Clause 2.1 (ii)Application Servers for DC & DR (a) Blade Enclosure; Blade Chassis		Blade Chassis backplane engineered with 14Tbps or higher Chassis backplane bandwidth.	Blade Chassis backplane / no backplane engineered with 14Tbps or higher Chassis backplane / no backplane bandwidth.	
152	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.126,Clause 2.1 (ii)Application Servers for DC & DR (a) Blade Enclosure; Blade Chassis		Should support six interconnect bays to configure 3+3 redundancy	Should support six interconnect bays to configure 3+3 redundancy or Bidders supporting switchless architecture can provision for direct access to top of rack switches.	
153	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.126,Clause 2.1 (ii)Application Servers for DC & DR (a) Blade Enclosure; Blade Chassis		Chassis should provide display port and USB port to connect Laptop/Monitor locally	Chassis/ Solution should provide display port and USB port to connect Laptop/ Monitor locally	
154	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.126,Clause 2.1 (ii)Application Servers for DC & DR (a) Blade Enclosure; Interconnects support		• Should support housing of FCoE, Ethernet, FC and SAS interconnect fabrics offering redundancy as a feature .Also should support network switch with 25/50Gb downlinks and 100G uplink to DC switch	As per RFP	
155	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.126,Clause 2.1 (ii)Application Servers for DC & DR (a) Blade Enclosure; Converged interconnect		Redundant Interconnect modules shall be integrated within the chassis such that uplinks from the chassis can be directly connected to core LAN/SAN switches	As per RFP	

156	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.126,Clause 2.1 (ii)Application Servers for DC & DR (a) Blade Enclosure; Converged interconnect		At-least 60 /36 servers should be supported per aggregation. Layer 2 network traffic should be switched within enclosure aggregation (without using top of the rack switch) and provide when multiple chassis aggregated, switching latency between enclosures should not exceed 1.0 micro-second for Ethernet	As per RFP	
157	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.127,Clause 2.1 (ii)Application Servers for DC & DR (a) Blade Enclosure; Chassis management capabilities:		Should provide a dedicated 1Gig/ 10 GbE or higher management network for multi-enclosure communications, separate from data plane	Should provide a dedicated 1Gig/ 10 GbE or higher management network for multi-enclosure communications, separate from data plane	
158	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.128,Clause 2.1 (ii)Application Servers for DC & DR (a) Blade Enclosure; Chassis management capabilities:		Should support frictionless Firmware and OS Driver updates using profile templates to monitor, flag, and remediate	As per RFP	
159	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.128,Clause 2.1 (ii) Application Servers for DC & DR(a) Blade Enclosure,Point no.7,Warranty & Support Services		5 Years 24x7 onsite support with commitment to resolve the problem within 6 Hours. Support has to be provided directly by OEM during the warranty period.	As per RFP	
160	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.129,Clause 2.1 (ii) Application Servers for DC & DR;(b) Server Blade,Point no.13,Warranty & Support Services		5 Years 24 x 7 Support with 6hr Call to resolution. Warranty shall be directly from OEM including Software upgrades/updates. The OEM should have the capability to offer lifecycle services like OS Upgrades, Patch Management.	As per RFP	
161	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.131,Clause 2.1 iii) Non-SAP Servers(a) ;(a)Enterprise Management Solution Blade Servers (DC & DR),Point no.4,Interfaces		Minimum of 1* internal USB 3.0 port ,1* internal SDHC card slot and 1* external USB 3.0 port	As per RFP	

162	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.131,Clause 2.1 iii) Non-SAP Serversa) ;(a)Enterprise Management Solution Blade Servers (DC & DR),Point no.5,Bus Slots		Minimum of 2 Nos of x16 or higher PCIe 3.0 based slots supporting Converged Ethernet, Ethernet, FC adapters and SAS adaptors	As per RFP	
163	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.131,Clause 2.1 iii) Non-SAP Serversa) ;(a)Enterprise Management Solution Blade Servers (DC & DR),Point no.7,Embedded system management		Should support integration with management software to deliver 'composable infrastructure' with a view of resources. This should be flexible and scalable solution providing IT managers with the architecture to implement their softwaredefined data center (SDDC) and to address the changing business needs and the challenges of today's enterprise data centers Should support Gigabit out of band management port to monitor the servers for ongoing management, service alerting and reporting Should support UEFI to configure and boot the servers securely System should support RESTful API integration System management should support provisioning servers by discovering and deploying 1 to few servers with embedded Provisioning tool System should support embedded remote support to transmit hardware events directly to OEM or an authorized partner for automated phone home support	As per RFP	
164	B. Technical Specification , Section : 2.1. DC & DR Hardware ,Page No.131,Clause 2.1 iii) Non-SAP Serversa) ;(a)Enterprise Management Solution Blade Servers (DC & DR),Point no.11,Secure encryption		System should support Encryption of the data (Data at rest) on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprise-wide data encryption deployment.	As per RFP	
165	B. Technical Specification , Section : 2.1. DC & DR Hardware; iv Storage for DC & DR ,Clause 2.Converge/Unified Storage;Page No.135,		<ul style="list-style-type: none"> <li>Offered Storage array shall be a true converge/ unified storage with a single Microcode/ operating system instead of running different Microcode/ Operating system/ Controllers for File, block services respectively.</li> <li>Offered Storage shall be a flagship Flash array from the OEM, should support only SSD's and shall be clearly published on their website .</li> <li>The Server &amp; Storage supplied should be from same OEM.</li> </ul>	<p>Offered Storage array shall be a true converge/ unified storage with a single Microcode/ operating system instead of running different Microcode/ Operating system/ Controllers for File and block services respectively</p> <ul style="list-style-type: none"> <li>Offered Storage shall be a flagship Flash array from the OEM, should support only SSD's and shall be clearly published on their website .</li> <li>The Server &amp; Storage supplied should be from same OEM.</li> </ul>	

166	B. Technical Specification , Section : 2.1. DC & DR Hardware; iv Storage for DC & DR ,Clause 2.Converge/Unified Storage;Page No.135,		<ul style="list-style-type: none"> <li>• Refer Sizing sheet for Capacity required for DC &amp; DR</li> <li>• DC Storage capacity should be offered with 85 TB usable capacity using RAIDS with each drive capacity not exceeding 4 TB SSD.</li> <li>• DR Storage capacity should be offered with 48 TB usable capacity using RAIDS with each drive capacity not exceeding 4 TB SSD.</li> <li>• All drives shall be offered with 5 years comprehensive warranty.</li> <li>• Offered Storage array shall support minimum of 480 SSD's</li> <li>• Offered Storage array shall support at-least 500TB Usable capacity for file operations.</li> </ul>	<ul style="list-style-type: none"> <li>• Refer Sizing sheet for Capacity required for DC &amp; DR</li> <li>• DC Storage capacity should be offered with 85 TB usable capacity using RAIDS with each drive capacity not exceeding 4 TB SSD.</li> <li>• DR Storage capacity should be offered with 48 TB usable capacity using RAIDS with each drive capacity not exceeding 4 TB SSD.</li> <li>• All drives shall be offered with 5 years comprehensive warranty.</li> <li>• Offered Array shall be scalable to more than 280 numbers of SSD drives from day 1 at the time of bidding with proposed configuration, without clustering/ federation/ additional controllers in future.</li> <li>• Offered Storage array shall support at-least 500TB Usable capacity for file operations.</li> </ul>	
167	B. Technical Specification , Section : 2.1. DC & DR Hardware; iv Storage for DC & DR ,Clause 5.Cache;Page No.136,		<ul style="list-style-type: none"> <li>• Offered Storage Array shall be given with Minimum of more than 128GB cache in a single unit and shall be scalable to more than 256GB without any controller change.</li> <li>• Cache shall be completely dynamic for read and write operations and vendor shall not offer any additional card I module for write cache operations.</li> <li>• Cache shall be used only for Data and Control information. OS overhead shall not be done inside cache.</li> </ul>	<p>Offered storage array shall be given with 256GB or higher cache in a single array without clustering/ federation.</p> <p>Cache shall be completely dynamic for read and write operations and vendor shall not offer any additional card I module for write cache operations.</p> <ul style="list-style-type: none"> <li>• Cache shall be used only for Data and Control information. OS overhead shall not be done inside cache.</li> </ul>	
168	B. Technical Specification , Section : 2.1. DC & DR Hardware; iv Storage for DC & DR ,Clause 10.Raid Support, Virtualization & No. of Volumes;Page No.136,		<ul style="list-style-type: none"> <li>• Offered Storage Subsystem shall support Raid level 1, 5,6 and 10.</li> <li>• Offered storage array shall support at-least 2000 Volumes per controller.</li> </ul>	As per RFP	
169	B. Technical Specification , Section : 2.1. DC & DR Hardware; iv Storage for DC & DR ,Clause 12.Protocols;Page No.136,		• Offered Storage array shall support all well-known protocols like but not limited to FC, iSCSI, SMB 3.0, NFS V4, FTP/ SFTP etc.	As per RFP	
170	B. Technical Specification , Section : 2.1. DC & DR Hardware; iv Storage for DC & DR ,Clause Host Ports and 13.Back-end Ports;Page No.136,		<ul style="list-style-type: none"> <li>• Offered Storage shall have minimum of 12 X 16Gb FC Ports for host connectivity. All types of ports shall be 100% scalable.</li> <li>• Offered storage shall have two additional ports for the storage-based replication.</li> <li>• Offered storage shall have minimum of 16 SAS lanes running at 12Gbps speed and shall be scalable to 32 SAS lanes without any controller change .</li> </ul>	<p>Offered Storage shall have minimum of 12 X 16Gb FC Ports for host connectivity. All types of ports shall be 100% scalable.</p> <ul style="list-style-type: none"> <li>• Offered storage shall have two additional ports for the storage-based replication.</li> <li>• Offered storage shall have minimum of 16 SAS/ PCIe lanes running at 12Gbps speed or higher and shall be scalable to 32 SAS / PCIe lanes without any controller change.</li> </ul>	
171	B. Technical Specification , Section : 2.4. Switch,EMS ;VI.Network Access Control,Clause No.22,Page No.192		Must provide a Country wide VLAN monitoring capabilities .	To be Removed	
172	B. Technical Specification , Section : 2.4. Switch,EMS ;VII.Element Management System,Clause No.5,Page No.193		Must be able to create correlated topology based on LLDP ,SNMP , STP connectivity hierarchy.	Must be able to create correlated topology based on LLDP or equivalent/ SNMP/ STP connectivity hierarchy.	

173	B. Technical Specification , Section : 2.4. Switch,EMS ;VII.Element Management System,Clause No.11,Page No.193		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.	As per RFP	
174	B. Technical Specification , Section : 2.4. Switch,EMS ;VII.Element Management System,Clause No15,Page No.193		Must have SNMP MIS compile capability to integrate any snmp compliant device	As per RFP	
175	B. Technical Specification , Section : 2.4. Switch,EMS ;VII.Element Management System,Clause No.16,Page No.193		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.	As per RFP	
176	B. Technical Specification , Section : 2.4. Switch,EMS ;VII.Element Management System,Clause No.19,Page No.194		Must support features to interact with 3rd party network security devices to provide automated response to security events and thus rernediating real time threat	Must support features to interact with 3rd party network security devices to provide automated response to security events and thus rernediating real time threat or equivalent solution	
177	B. Technical Specification , Section : 2.4. Switch,EMS ;VII.Element Management System,Clause No.23,Page No.194		When integrated with compatible WLAN it must be able to provide granular management functionalities like system location and tracking, wi-fi dashboards, client search, event logs etc via mobile devices as well such as tablet and smartphone	To be Removed	
178	B. Technical Specification , Section : 2.4. Switch,EMS ;VII.Element Management System,Clause No.25,Page No.194		Must provide the ability to track device attributes such as serial number, asset tag, firmware version, CPU type and memory.	As per RFP	
179	B. Technical Specification , Section : 2.4. Switch,EMS ;VII.Element Management System,Clause No.43,Page No.195		Must be able to write Python scripts to integrate with IoT solutions.	Must be able to write Python scripts/REST APIs to integrate with IoT solutions.	
180	B. Technical Specification , Section : 2.4. Switch,EMS ;VII.Element Management System,Clause No.45,Page No.195		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.	As per RFP	
181	B. Technical Specification , Section : 2.4. Switch,EMS ;VII.Element Management System,Clause No.46,Page No.195		Should have the ability to get actionable business insights and speeding up troubleshooting by separating network from application performance so you can quickly identify root-causes, monitors shadow IT, reports malicious or unwanted applications and assesses security compliance.	Should have the ability to get actionable business insights and speeding up troubleshooting by separating network from application performance so you can quickly identify root-causes, monitors <b>shadow IT/ reports</b> malicious or unwanted applications and assesses security compliance <b>or equivalent.</b>	
182			General	As per RFP along with changes made in the Correingdum based on Pre-Bid Queries	

183			General	As per RFP	
184	2.3. Firewall i) Firewall (DC) – Type 1;Page No.163-165			Blank	
185	2		The Firewall OEM should be ICSA Labs certified for Firewall and should be Common Criteria EAL 4 certified	As per RFP	
186	3		OEM should be having recommended rating from NSS Lab's Next Generation Firewall from past 2 years	As per RFP	
187	6		<b>Hardware:</b> Should support 16 or more gigabit RJ45 interfaces	As per RFP	
188			Firewall Performance	Blank	
189	11		IPSec VPN throughput should be 20 Gbps or more	As per RFP	
190	12		NGFW throughput should be 8 Gbps with enterprise mix traffic	As per RFP	
191	13		Threat protection throughput should be 6 Gbps with enterprise mix traffic	As per RFP	
192	16		Should Support Virtualiation (ie Virtual Systems I Virtual Domains). Should be having 10 or more vrrtual system license from day one	As per RFP	
193	18		<b>Firewall Features</b> Should provide NAT functionality, including PAT.Should support NAT 66, NAT 64, DNS 64, Static NAT"IPv4 to 1Pv6 and vice versa (VIP64 and VIP46) and 1Pv6-1Pv4 tunnelling or dual stack.	As per RFP	
194	25		Should support ISP Load balancing and Failover	As per RFP	
195	26		Should support multi-path intelligence based on link quality criteria	As per RFP	
196	30		<b>VPN</b> The VPN should be integrated with firewall and should be ICSA Labs certified for IPSec VPN	As per RFP	
197	34		Should support Single Sign-On Bookmarks for SSL Web VPN	As per RFP	
198	37		Should also support PPTP and L2TP over IPSec VPN protocols.	As per RFP	
199	40		<b>IPS</b> Should have protection for 7000+ signatures	As per RFP	
200	46		<b>Gateway Antivirus Management, Log &amp; Reporting</b> The Appliance should facilitaitate embedded anti-virus support	<b>Gateway Antivirus Management, Log &amp; Reporting</b> The Appliance should facilitate embedded anti-virus, anti-malware support.	
201	47		Gateway AV should be supported for real-time detection of viruses and malicious code for HTTP,HTTPS,FTP,SMTP,SMTPS,POP3 and IMAP protocols.	Gateway AV, Antimalware should be supported for real-time detection of viruses and malicious code for HTTP,HTTPS,FTP,SMTP,SMTPS,POP3 and IMAP protocols.	
202	2.3. Firewall ii) Firewall (DR & Perimeter) – Type 2--Page No.165-168 2		The Firewall OEM should be ICSA Labs certified for Firewall and should be Common Criteria EAL 4 certified	As per RFP	
203	3		OEM should be having recommended rating from NSS Lab's Next Generation Firewall from past 2 years	As per RFP	
204	10		<b>Firewall Performance</b> Should have Firewall throughputs of minimum 30 Gbps or more	As per RFP	
205	11		IPSec VPN throughput should be 10 Gbps or more	As per RFP	
206	12		FW throughput should be 8 Gbps with enterprise mix traffic	As per RFP	
207	13		Threat protection throughput should be 6 Gbps with enterprise mix traffic	As per RFP	
208	16		Should Support Virtualiation (ie Virtual Systems I Virtual Domains). Should be having 10 or more vrrtual system license from day one	As per RFP	
209	24		Should support Active-Active as well as Active- Passive redundancy.	As per RFP	
210	25		Should support ISP Load balancing and Failover	As per RFP	
211	26		Should support multi-path intelligence based on link quality criteria	As per RFP	
212	30		<b>VPN</b> The VPN should be integrated with firewall and should be ICSA Labs certified for IPSec VPN	As per RFP	
213	34		Should support Single Sign-On Bookmarks for SSL Web VPN	As per RFP	
214	37		Should also support PPTP and L2TP over IPSec VPN protocols.	As per RFP	
215	40		<b>IPS</b> Should have protection for 7000+ signatures	As per RFP	



216	2.3. Firewall iv) Firewall (Perimeter) – Type 3-Page No.171-174			Blank	
217	2		The Firewall OEM should be ICSA Labs certified for Firewall and should be Common Criteria EAL 4 certified	As per RFP	
218	3		OEM should be having recommended rating from NSS Lab's Next Generation Firewall from past 2 years	As per RFP	
219	10		<b>Firewall Performance:</b> Should have Firewall throughputs of minimum 6 Gbps or more	As per RFP	
220	11		IPSec VPN throughput should be 3 Gbps or more	As per RFP	
221	12		NGFW throughput should be 300 Mbps with enterprise mix traffic	As per RFP	
222	13		Threat protection throughput should be 250Mbps with enterprise mix traffic	As per RFP	
223	14		Must support at least 1,500,000 or more concurrent connections	As per RFP	
224	15		<b>Must support at least 30,000 or more new sessions per second processing.</b>	As per RFP	
225	16		Should Support Virtualiation (ie Virtual Systems I Virtual Domains). Should be having 5 or more vrrtual system license from day one	As per RFP	
226	24		Should support Active-Active as well as Active- Passive redundancy.	As per RFP	
227	25		<b>Should support ISP Load balancing and Failover</b>	As per RFP	
228	26		Should support multi-path intelligence based on link quality criteria	As per RFP	
229	30		<b>VPN</b> The VPN should be integrated with firewall and should be ICSA Labs certified for IPSec VPN	As per RFP	
230	34		<b>Should support Single Sign-On Bookmarks for SSL Web VPN</b>	As per RFP	
231	37		Should also support PPTP and L2TP over IPSec VPN protocols.	As per RFP	
232	40		<b>IPS</b> ;Should have protection for 7000+ signatures	As per RFP	
233	52		<b>Web Filtering</b> URL database should have 200 million or more URLs under more than 70 categories	As per RFP	
234	2.3. Firewall v) Firewall (Server Farm) – Type 4-Page No.174-177			Blank	
235	2		The Firewall OEM should be ICSA Labs certified for Firewall and should be Common Criteria EAL 4 certified	As per RFP	
236	3		OEM should be having recommended rating from NSS Lab's Next Generation Firewall from past 2 years	As per RFP	
237	10		<b>Firewall Performance</b> Should have Firewall throughputs of minimum 10 Gbps or more	As per RFP	
238	11		IPSec VPN throughput should be 5 Gbps or more	As per RFP	
239	12		NGFW throughput should be 1Gbps with enterprise mix traffic	As per RFP	
240	13		Threat protection throughput should be 800Mbps with enterprise mix traffic	As per RFP	
241	16		Should Support Virtualiation (ie Virtual Systems I Virtual Domains). Should be having 5 or more vrrtual system license from day one	As per RFP	
242	24		Should support Active-Active as well as Active- Passive redundancy.	As per RFP	
243	25		Should support ISP Load balancing and Failover	As per RFP	
244	26		Should support multi-path intelligence based on link quality criteria	As per RFP	
245	30		<b>VPN:</b> The VPN should be integrated with firewall and should be ICSA Labs certified for IPSec VPN	As per RFP	
246	34		Should support Single Sign-On Bookmarks for SSL Web VPN	As per RFP	
247	37		Should also support PPTP and L2TP over IPSec VPN protocols.	As per RFP	
248	40		<b>IPS</b> ;Should have protection for 7000+ signatures	As per RFP	
249	52		<b>Web Filtering:</b> URL database should have 200 million or more URLs under more than 70 categories	As per RFP	
250	2.3. Firewall vi) Firewall (PLC Network) – Type 5– Type 4-Page No.177-180 2		The Firewall OEM should be ICSA Labs certified for Firewall and should be Common Criteria EAL 4 certified	As per RFP	

251	3		OEM should be having recommended rating from NSS Lab's Next Generation Firewall from past 2 years	As per RFP	
252	9		<b>Firewall Performance</b> Should have Firewall throughputs of minimum 2 Gbps or more	As per RFP	
253	11		IPSec VPN throughput should be 1 Gbps or more	As per RFP	
254	12		NGFW throughput should be 200Mbps with enterprise mix traffic	As per RFP	
255	13		12 Threat protection throughput should be 150 Mbps with enterprise mix traffic	As per RFP	
256			Must support at least 1,000,000 or more concurrent connections	As per RFP	
257			Must support at least 30,000 or more new sessions per second processing.	As per RFP	
258	16		Should Support Virtualiation (ie Virtual Systems I Virtual Domains). Should be having 5 or more vrrtual system license from day one	As per RFP	
259	24		Should support Active-Active as well as Active- Passive redundancy.	As per RFP	
260	25		Should support ISP Load balancing and Failover	As per RFP	
261	26		Should support multi-path intelligence based on link quality criteria	As per RFP	
262	30		<b>VPN</b> The VPN should be integrated with firewall and should be ICSA Labs certified for IPSec VPN	As per RFP	
263	34		Should support Single Sign-On Bookmarks for SSL Web VPN	As per RFP	
264	37		Should also support PPTP and L2TP over IPSec VPN protocols.	As per RFP	
265	40		<b>IPSS</b> Should have protection for 7000+ signatures	As per RFP	
266	52		<b>Web Filtering</b> URL database should have 200 million or more URLs under more than 70 categories	As per RFP	
267	Disk for Persistence Storage Page# 17; (2.1. - (i)- e)		At least 4 times the RAM capacity in RAID5 with persistence storage with SSD's.	At least 4 times the RAM capacity in RAID5 with persistence storage with SSD's (SAS mixed use 12Gbps)	
268	High Availibilty Solution Page# 17; (2.1. - (i)- e)		The HA solution between the two HANA boxes should be integrated with cluster software and HANA System Replication.	As per RFP	
269	Page# 18; (2.1. - (ii)- a)		Solution should have single console provisioning for compute, storage and server-side network configuration and direct attach storage (DAS). Direct connect midplane should deliver 14 Tbps of bandwidth. FC SAN should be available	Solution should have single console provisioning for compute, storage and server-side network configuration and direct attach storage (DAS). Direct connect midplane/no midplane should deliver 14 Tbps of bandwidth. FC SAN should be available	
270	Page# 18; (2.1. - (ii)- a)		Should provide a dedicated 10GbE or higher management network for multi-enclosure communications, separate from data plane	Should provide a dedicated 1G/10GbE or higher management network for multi-enclosure communications, separate from data plane	
271	Capacity and Scalability Page# 28; (2)		Offered Storage array shall be a true converge/ unified storage with a single Microcode/ operating system instead of running different Microcode/ Operating system/ Controllers for File, block and object services respectively	Offered Storage array shall be a true converge/ unified storage with a single Microcode/ operating system instead of running different Microcode/ Operating system/ Controllers for File and block services respectively	
272	Capacity and Scalability Page# 28; (4)		Offered Storage array shall support minimum of 480 SSD's	Offered Array shall be scalable to more than 280 numbers of SSD drives from day 1 at the time of bidding with proposed configuration, without clustering/federation/additional controllers in future.	
273	Remote Replication Page# 30; (20)		The Storage array shall also support three ways (3 Data Centers) replication to ensure zero RPO at any site Near DR and DR in native fashion without using any additional replication appliance.	As per RFP	
274	Disk Backup Page# 32; (2)		When fully populated, offered device shall support rated write performance of more than 16TB per hour in native mode	As per RFP	
275			When fully populated, offered device shall supported rated write performance, when enabled with source level deduplication, of more than 30TB/hr	As per RFP	
276	Backup SW Page# 35; (1)		Backup software licenses to be provided for the offered capacity of SAN Storage.	As per RFP	

277	SLA Page# 34; (6)		Availability/ Uptime of each server at DC/DR	As per RFP	
278	Delivery Timeline Page# 13; (7. (iii))		Supply of DC / DR Components including hardware and Software. 6 Weeks	Supply of DC / DR Components including hardware and Software. 8-10 Weeks	
279	Brand inclusion		<b>Approved Make : HP/ Extreme /Cisco</b>	As per RFP	
280	Core Switches (DC and DR) Form Factor Pg# 38		Chassis switch with Minimum 4 usable Slots 19 Inch Rack mountable switch with management/supervisor Engine 1+1. OEM should provide all the hardware including fabric cards, CPU, Power Supplies, Fan Trays etc. and software, licenses to get full capacity of the provided chassis	As per RFP	
281	Core Switches (DC and DR) Architecture Pg# 38		Non-Blocking architecture. Must have EAL3 /NDCPP or above common criteria certification.	As per RFP	
282	Core Switches (DC and DR) Per Slot Switching Capacity Pg# 39		Per Slot Switching Capacity -2.4 Tbps	As per RFP	
283	Switch, EMS Core Switch – Type1 Architecture Pg# 73		Non-Blocking architecture. Must have EAL3 /NDCPP or above common criteria certification.	As per RFP	
284	Switch, EMS Core Switch – Type1 Per Slot Switching Capacity Pg# 74		Per Slot Switching Capacity -3.2 Tbps	As per RFP	
285	Core Switch – Type2 Architecture Pg# 74		Non-Blocking architecture. Must have EAL3 /NDCPP or above common criteria certification.	As per RFP	
286	Name and model no		1kVA /0.9kW	1kVA /0.8kW	
287	Secure encryption	Page 25,	System should support Encryption of the data (Data at rest) on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprise-wide data encryption deployment.	As per RFP	
288	Secure encryption	Page 25,	System should support Encryption of the data (Data at rest) on both the internal storage and cache module of the array controllers using encryption keys. Should support local key management for single server and remote key management for central management for enterprise-wide data encryption deployment.	As per RFP	
289	Disk Backup	Page 32,	Offered disk-based backup device shall also support encryption functionality	As per RFP	
290	b) Tape Library Encryption device	Page 33,	Offered Library shall be provided with a hardware device like USB key, separate appliance etc. to keep all the encrypted keys in a redundant fashion	As per RFP	
291	1 Background and Scope - 1.1 Scope of Work - Data Center and DR Co Location - Page No. 57		The Data Center should be in Hyderabad and the service provider should have his own building.	As per RFP	
292	Firewall Type - 1, Clause No 5		The Firewall must be appliance based	As per RFP	
293			New Point under VPN to be added	As per RFP	
294				As per RFP	
295			New point under IPS to be added	As per RFP	
296	Firewall (DR & Perimeter) 5		The Firewall must be appliance based	As per RFP	
297			New Point under VPN to be added	As per RFP	
298				As per RFP	
299			New point under IPS to be added	As per RFP	
300	Firewall (Perimeter), 5		The Firewall must be appliance based	As per RFP	
301			New Point under VPN to be added	As per RFP	
302				As per RFP	
303			New point under IPS to be added	As per RFP	
304	Firewall (Server Farm), 5		The Firewall must be appliance based	As per RFP	
305			New Point under VPN to be added	As per RFP	

306				As per RFP	
307			New point under IPS to be added	As per RFP	
308	Firewall (PLC Network), 5		The Firewall must be appliance based	As per RFP	
309			New Point under VPN to be added	As per RFP	
310				As per RFP	
311			New point under IPS to be added	As per RFP	
312	WAF		New Point to be added	As per RFP	
313	Annexure – II B. Technical Specification 2.1. DC & DR Hardware ii) Application Servers for DC & DR b) Server Blade		Page no. 22 High Availability Solution	As per RFP	
314	Annexure – II B. Technical Specification 2.1. DC & DR Hardware v) Backup Solution for DC & DR c) Backup Software for DC & DR		Page No.35 Backup software licenses to be provided for the offered capacity of SAN Storage.	As per RFP	
315	Annexure – II B. Technical Specification 2.1. DC & DR Hardware iii) Non-SAP Servers c) Blades for Legacy Servers in DC		Page No. 23	As per RFP	
316	Annexure IV		Point # 6. Service Level Agreements: Availability of network links	As per RFP	
317	Annexure I - Scope of Work (Page 56)		Point # 1.1.h Tool proposed should be leader in Gartner Quadrant	As per approved make in the corrigendum	
318	Annexure I - Scope of Work (Page 64)		General Requirements	As per RFP	
319	Annexure II - Technical Specifications (Page 119)		1.9 One time charges for co-location & managed services	As per RFP	
320	Annexure II - Technical Specifications (Page 121)		1.12 NOC	As per RFP	
321	2.8 Managed Services (Page 219)		Cross Connect & Telco services	As per RFP	
322	2.8 Managed Services (Page 225)		DC-DR Services	As per RFP	
323	2.8 Managed Services (Page 226)		DC-DR Services	As per RFP	
324	2.8 Managed Services		New addition	As per RFP	
325	2.8 Managed Services		New addition	As per RFP	
326	b) 1G Switch (DC) – Type 2 page No 151		The switch should support 2*10-Gigabit ports SFP+ loaded with 2*SR transceivers and 2 RJ-45 1/10GBASE-T ports in addition to the above ports	As per RFP	
327	b) 1G Switch (DC) – Type 2 page No 153		The Switch should support Link aggregation to groups together up to 8 ports per trunk automatically using Link Aggregation Control Protocol (LACP), or manually, to form an ultra-high-bandwidth connection to the network backbone. The switch should provide support up to 128 trunks	As per RFP	
328	Point 2 - Page no 2		k. Managed Services.	As per RFP	
329	Point 7 - Page no 34		6. Service Level Agreements (SLA) - Security Incident and Management Reporting	As per RFP	
330	1.1 Scope of Work - 56		f) Supply, installation, configuration, testing and commissioning of Security infrastructure like Next Generation Firewalls, Antivirus, DDOS, PIM, HIPS, IDAM, DAM, IPS/IDS, Log Servers, and Web Application Firewall etc.	As per RFP	
331	Point 2 Page no 111		ADS, Antivirus & Patch Mgmt Servers operating system	As per RFP	

332	Point 7 - Page no 112		Centralized Management, Log and analysis license with 5 -year support up to 100x firewall devices/administrative, supplied along with 5 years 24 x 7 support along with hardware	As per RFP	
333	Point 8 - Page no 112		Free of charge training to 20-people team of Network Engineers from NMDC to be provided by OEM at a centralized place covering all aspects of operations and maintenance of the firewalls	As per RFP	
334	Point 5 - Page no 163		The Firewall must be appliance based	As per RFP	
335			New Point under VPN to be added	As per RFP	
336			New Point under VPN to be added	As per RFP	
337			New point under IPS to be added	As per RFP	
338	Point 5 - Page no 166		The Firewall must be appliance based	As per RFP	
339	Point 5 - Page no 166		New Point under VPN to be added	As per RFP	
340	Point 5 - Page no 166		New Point under VPN to be added	As per RFP	
341	Point 5 - Page no 166		New point under IPS to be added	As per RFP	
342	WAF - Page no 168		New Point to be added	As per RFP	
343	Point 1 - Page no 170		Firewall Type 1 for DC and DR	As per RFP	
344	Point 5 - Page no 171		The Firewall must be appliance based	As per RFP	
345			New Point under VPN to be added	As per RFP	
346			New Point under VPN to be added	As per RFP	
347			New point under IPS to be added	As per RFP	
348	Point 5 - Page no 174		The Firewall must be appliance based	As per RFP	
349			New Point under VPN to be added	As per RFP	
350			New Point under VPN to be added	As per RFP	
351			New point under IPS to be added	As per RFP	
352	Point 5 - Page no 177		The Firewall must be appliance based	As per RFP	
353			New Point under VPN to be added	As per RFP	
354			New Point under VPN to be added	As per RFP	
355			New point under IPS to be added	As per RFP	
356	point 28 - Page no 220		Trusted SSL Certificate Import	As per RFP	
357	point 28 - Page no 220		Using Load Balancer feature in Firewall SSL,LLB	As per RFP	
358	point 30 - Page no 220		Policy Verification Every Year	As per RFP	
359	point 31 - Page no 220		IPSEC VPN with unlimited users	As per RFP	
360	point 32 - Page no 220		SSL VPN with unlimited uers	As per RFP	
361	point 33 - Page no 220		IPSEC remote access VPN with unlimited users	As per RFP	
362	point 34 - Page no 220		Two factor based authentication integration	As per RFP	
363	Point 36 - Page no 220		OS Critical and Security Patch Management	As per RFP	
364	point 43 - Page no 220		System, Application and Security Log Analysis	As per RFP	
365	point 44 - Page no 221		Windows Server Security Management	As per RFP	
366	point 45 - Page no 221		Security Processes - User and Group Management	As per RFP	
367	point 46 - Page no 221		Security Policies and Configurations	As per RFP	
368	point 47 - Page no 221		Security Patches and Hot Fixes	As per RFP	
369	point 50 - Page no 221		File and Directory Security	As per RFP	
370	point 51 - Page no 221		Audit Logging	As per RFP	
371	point 52 - Page no 221		Windows Firewall Policy	As per RFP	
372	point 60 - Page no 221		Windows Server folder and File access security/ share permission management.	As per RFP	
373	point 77 - Page no 221		OS Patching	As per RFP	
374	point 161 - Page no 225		OS Logs, AV/AS logs, Vulnerability Assessment, Network Device Logs, Rule Based Correlation & Risk Based Correlation	As per RFP	

375	point 161 - Page no 225		OS Logs, AV/AS logs, Vulnerability Assessment, Network Device Logs, Rule Based Correlation & Risk Based Correlation	As per RFP	
376	point 162 - Page no 225		Incident Management, Log Retention for 6 Months	As per RFP	
377	point 163 - Page no 225		Penetration Testing (Tool based)	As per RFP	
378	point 164 - Page no 225		Historical Based Correlation	As per RFP	
379	point 165 - Page no 225		PCI DSS, FIM, Advanced Persistent Threat protection, IPS/IDS, DDOS Protection, DDOS Reporting, Enabling DDOS services for NMDC networks	As per RFP	
380	point 166 - Page no 225		Basic web filter service	As per RFP	
381	point 167 - Page no 225		Application filter services	As per RFP	
382	point 168 - Page no 225		Automatic updates of signatures	As per RFP	
383	Page no 240		Firewall BoM	As per RFP	
384	2.2 DC & DR Software Enterprise Management Solution/General Requirement/point no 5 (Page 158)		To ensure the proposed software is secure, it should have ISO 27034 certification from a verification or certification agency which has global recognition	As per RFP	
385	2.2 DC & DR Software Enterprise Management Solution/General Requirement/point no 6 (Page 158)		EMS/NMS OEM must be an industry standard, enterprise grade solution and shall be in the present in Gartner's MQ reports for NPMD and ITSM for last two years (2017 & 2018)	As per RFP	
386	2.2 DC & DR Software Enterprise Management Solution/General Requirement/point no 8 (Page 158)		Proposed EMS Solutions MUST have been in operations in at least 3 or more deployments across government/public sector, monitoring and managing at least 10,000 network nodes in each of the cases individually. Self-certification of the OEM, along with the customer names and proof of software delivery must be submitted at the time of bid submission	As per RFP	
387	2.2 DC & DR Software Enterprise Management Solution/General Requirement/point no 1 (Page 158)		The proposed EMS solution should be an integrated, modular and scalable solution from single OEM (i.e. all Network Monitoring, server Monitoring including application and database monitoring and Service Management tools should be from single OEM) to provide comprehensive fault management, performance management, traffic analysis and business service management, IT service desk\ help desk \trouble ticketing system & SLA monitoring functionality	As per RFP	
388	General Requirement of IT Service/Helpdesk/Point No. 59 (Page 161)		The proposed helpdesk should have solutions like : Incident management, Problem Management, Change Management, Knowledge Management, Service Level Management, Service Asset and Configuration management, Service Catalogue and Request Fulfilment, etc. The certification copies to be submitted.	As per RFP	
389	New Clause addition request		Considering the current COVID situation, there will be a significant change in the way organizations work with "Work from Home", "Work Remotely" etc. becoming prevalent. Due to these ever-changing landscape, self-help, self-service etc. becomes extremely important. We request you to add this point as this will greatly help in service fulfilment through automation	As per RFP	
390	New Clause addition request			As per RFP	
391	2.2 DC & DR Software Enterprise Management Solution/General Requirement/point no 3 (Page 157)		The proposed EMS solution should be built on modern container technologies and have an option to deploy on classic mode non-containerized as well as containerized mode.	As per RFP	

392	2.2 DC & DR Software Enterprise Management Solution/General Requirement/point no 9 (Page 158)		Solution should ensure compatibility of existing Infrastructure with the procured infrastructure and it must fill the end functionality of the project. Offered solution should support bi-directional integration between the NOC and SOC to have the single consolidated console of infrastructure and security events.	As per RFP	
393	2.2 DC & DR Software Enterprise Management Solution/General Requirement/point no 9 (Page 158)		Server Fault Monitoring & Application Performance Management Should provide a centralized point of control with out-of-the-box policy-based management intelligence for easy deployment for the servers, operating systems, applications and services for correlating and managing all the IT infrastructure components of a business service	As per RFP	
394	V) Wireless Controller for Access Points IV Access Point( Indoor ) Page No 189		The Proposed WLC must be compliant with IEEE CAPWAP or equivalent for controller based WLANS.	As per RFP	
395	Page No 189		The Proposed WLC should be 1 U , rack mountable appliance with 2X1 G , (or better ) , ethernet interface , USB support and RS-232 Serial console interface .	As per RFP	
396	Page No 190		The proposed must support coverage hole detection & correction that can be adjusted on a per WLAN basis .	As per RFP	
397	Page No 190		Should support Port based & SSID Based IEEE 802.1X authentication .	As per RFP	
398	2.5 Wi-Fi Access Point (Outdoor ) Page No 195		Access Points proposed must include dual radios (2.4 Ghz & 5 Ghz ) , & should cover a distance of 2k.m. in open area . )	Access Points proposed must include dual radios (2.4 Ghz & 5 Ghz ) , & should cover a distance of 150 Mtrs in open area	
399	Page No 195		The Access Point have Integrated Antenna	The Access Point have Integrated/ External Antenna.	
400	Page No. 112 /1.4/ Switch, Indoor Wireless, NAC, EMS etc.	Network Components	Transceiver Count	As per RFP	
401		Raw Power Quality Testing	Add this clause	As per RFP	
402	Page No. 227-230	Optical Fiber Laying and Backfilling	Specification as per the clause mentioned in the Page No. 103-106 on Optical Fiber Laying and Backfilling.	As per RFP	
403	151	<b>b) 1G Switch (DC) – Type 2</b>	The switch should support 2*10-Gigabit ports SFP+ loaded with 2*SR transceivers and 2 RJ-45 1/10GBASE-T ports in addition to the above ports	As per RFP	
404	153		The Switch should support Link aggregation to groups together up to 8 ports per trunk automatically using Link Aggregation Control Protocol (LACP), or manually, to form an ultra-high-bandwidth connection to the network backbone. The switch should provide support up to 128 trunks	The Switch should support Link aggregation to groups together up to 8 ports per trunk automatically using Link Aggregation Control Protocol (LACP), or manually, to form an ultra-high-bandwidth connection to the network backbone.	
405	106/4.8	Input Protection (Thru In-built 1P MCB)	Should be provided at the input of the UPS suitable for the full rated capacity of the UPS	Input Protection (Thru In-built 3P MCB)	
406	25		Financial Quote, on Supply, Installation, Integration, Testing, Commissioning and Support: NOC	NOC for DC & DR will be part of managed services. Scope of Work does not include civil, electrical & HVAC works for in premise NOC which will be used for managing NMDC LAN & WAN.	
407	1		Provide/ Upgrade of existing MPLS/ VPN at 15 locations.	As per RFP	

408	Annexure-VII (UPS)		BOQ- Earthing & Lightning arrestor	As per RFP	
409	General Requirements for the LAN Infrastructure (pagePage 8 of 53) Page 62 of RFP		f. Reliability and scalability of solution, open architecture and availability of the business-critical applications on High availability. g.	As per RFP, please refer Annexure for Qty	
410	1.4. Switch, Indoor Wireless, NAC, EMS etc. (page 112)		12 Access Point (Indoor) Nos. 300	Payment will be made as per actual quantities used.	
411	1.4. Switch, Indoor Wireless, NAC, EMS etc. (page 112)		13 Wireless LAN Controller for Access Points, 5 year warranty & NBD support Nos. 10	AS per RFP	
412	Generic		Every Radio Location required AC Power and UPS Power	As per RFP	
413	Fig 43 Donimalai Distribution Switch#6 Network Diagram		Line of Sight Details DIOM CP PLC Room to Planning Cell Server Room to SP PLC Room (SCADA) KIOM MTSS Room to KIOM PLC Room Pellet Plant Admin Building to LP Mech Room	LoS exists prima facie. However, field engineering has to be carried out by successful bidder. Bidder(s) to include such costs and efforts if any more foreseen, in their bids	
414	Generic		Wireless Radio Pole/ Tower Height	LoS exists prima facie. However, field engineering has to be carried out by successful bidder. Bidder(s) to include such costs and efforts, if any more foreseen, in their bids	
415	2.8. Managed Services		IPSEC VPN with Unlimited Users SSL VPN with unlimited users IPSEC remote access VPN with unlimited users	As per RFP	
416	1.3 Firewall		Firewall – Type 1 Firewall- Type 2 Firewall- Type 3 Firewall- Type 4	As per RFP	
417	Firewalls for DC & DR		Accepted Make : Fortinet / Palo Alto / Cisco	As per RFP	
418	Annexure-VII		Desktop for NOC	As per RFP	
419	Annexure-VII		Bill of Material (BOM)	As per RFP	
420	Security Management		Rule Based correlation and Risk based correlation Incident Management	As per RFP	
421	Security Management		Rule Based correlation and Risk based correlation Incident Management	As per RFP	
422	Firewall Services		Firewall with HA setups	As per RFP	
423	Network Access control specification		Network Access control specification	As per RFP	
424	Firewall Services		Trusted SSL certificate import	As per RFP	
425	Firewall Services		Trusted SSL certificate import	As per RFP	
426	2.2		The system should integrate with Helpdesk / Service desk tool for automated incident logging and also notify alerts or events via e-mail or SMS.	As per RFP	
427	Annexure-VI		Core Switches, Distribution switches, Server, storage, Firewall and etc	As per RFP	
428	Annexure-VI		Supply, Installation, Testing and Commissioning of (N) 30KVA UPS System for Central Distributor to support core switches, Servers, WAN Optimizers, ILL load balancers, and other networking equipment along with 30-minutes battery back-up (about 40 batteries of 65AH, 12V, Lead Acid, SMF) along with Battery rack, MCB protection gear and all other accessories - Bacheli, Kirandul, Donimalai, Panna and Paloncha. UPS to be SNMP manageable. 30kVA rating. Supply should include 3-year on-site warranty and maintenance	As per RFP	
429	1.b		Supply, Installation, Integration, Testing, Commissioning and Support (Siitcs) of LAN and WAN Networks.	As per RFP	
430	1.c		Provide/ Upgrade of existing MPLS/ VPN at 15 locations.	As per RFP	
431	Annexure-VI		SOR	As per RFP	
432	1.1		Intended LAN/WAN Setup for NMDC	Links will be terminated on ethernet interfaces of SD-WAN Boxes.(Firewall)	



433	1.1		NMDC will have a three-tier architecture as part of its SAP System landscape and will consist of Development environment Quality environment Production environment Disaster Recovery Environment	As per RFP	
434	Annexure-VI		SOR	As per RFP	
435	1.1		Perform Due Diligence study and submit report for Migration of legacy applications not being covered under SAP data migration (e.g. Intranet Portal, Vigilance application etc.) at HO and Sites to DC & DR.	Migration of Legacy Applications is not within the RFP scope	
436	1.1		c. Design of the MPLS network, sizing, link management and backup link solutions for critical applications and users.	As per RFP	
437	1.1 SOW (d) pg # 58		Storage Replication between DC & DR	As per RFP	
438	1.1 SOW pg # 57 & pg # 109		SAP HANA Databases listed in the Diagram of "Technical Architecture of Appln landscape"	As per RFP	
439	A. BoQ 1.1 (pg # 110)		Local Server HW	As per RFP	
440	1.2 (pg # 110)		DC & DR Software	As per RFP	
441	B.2.1 (i) - e(1) (pg # 124)		Disk for persistence SSD storage	As per RFP	
442	B.2.1 (i) - e(4) (pg # 124)		2 no.s of 24 ported 1 G Network Switches	As per RFP	
443	B.2.1 (ii) - a(1) (pg # 125)		DAS Storage for App and DB Servers	As per RFP	
444	B.2.1 (ii) - a(1) (pg # 125)		Solution req: Container provisioning	As per RFP	
445	NETWORKING Queries Network	Brand inclusion	<b>Approved Make : HP/ Extreme /Cisco</b>	As per RFP	
446		Access Switch – Type 1 Architecture Pg# 78	Should support ITU G.8032 standard	As per RFP	
447	Brand inclusion		<b>Approved Make : HP/ Extreme /Cisco</b>	As per RFP	
448	Page No 189		The Proposed WLC should be 1 U , rack mountable appliance with 2X1 G , (or better ) , ethernet interface , USB support and RS-232 Serial console interface .	As per RFP	
449	2.5 Wi-Fi Access Point (Outdoor ) Page No 195		Access Points proposed must include dual radios (2.4 Ghz & 5 Ghz ) , & should cover a distance of 2k.m. in open area . )	Access Points proposed must include dual radios (2.4 Ghz & 5 Ghz ) , & should cover a distance of 150 Mtrs in open area	
450	Radio Links - Point to Point & Point to Multipoint		Radio link (Point to point & Point to multipoint )	Pls refer to above mentioned specification.	

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

Supplier Name & Address:								
Phone No. & Email Id								
S. No	Clause No.	Page No.	Existing Condition	Clarifications sought	Bidder' Suggestions	Response	CLARIFICATIONS	Compliance (Yes/No)
1	2 (a) & 2(i)	Page No 3 & 8	The bidder must be, a company registered in India, under the companies Act – 1956 or 2013 and should be in business of IT /ITES/ Networking for at least 5 years.	Request you to please change the clauses as per below:  The bidder/Any member of consortium must be, a company registered in India, under the companies Act – 1956 or 2013 at least 5 years.	Sir, Permitting consortium shall bring in decent participations of bidders along with strong techno commercial proposal thus benefiting end customer	RFP Clause will prevail	RFP Clause will prevail	
2	2(iv) & 2(d)	Page No 3 & 8	The intending bidder must be an IT/ITES/Networking company, having an Experience of successfully executing similar nature of works as mentioned in the Scope of Work viz. setting up of DC/DR (H/w & S/w), Firewalls, active Switches, Managed Services, Backbone cabling, Setting up of Wi-Fi Networks, laying of WAN/LAN Networks and laying of OFC etc. during the last 7 years (as on 31st March 2020) of at least following value/billing: One Project costing Rs 80 Cr OR Two projects costing Rs 50 Cr. each OR Three Projects costing Rs 40 Cr. each.	Request you to please amend the clause as per below :  The intending bidder or <b>any consortium member</b> must having an Experience of successfully executing or ongoing similar nature of works as mentioned in the Scope of Work viz. setting up of DC/DR (H/w & S/w), Firewalls, active Switches, Managed Services, Backbone cabling, Setting up of Wi-Fi Networks, laying of WAN/LAN Networks and laying of OFC etc. during the last 7 years (as on 31st March 2020) of at least following value/billing: One Project costing Rs 80 Cr OR Two projects costing Rs 50 Cr. each OR Three Projects costing Rs 40 Cr. each.			RFP Clause will prevail	
			The project/projects claimed towards experience, must contain one or more elements essentially from each of the following three categories. Elements of Category (a) below, must contribute at least 30% cost of the project.	The project/projects claimed towards experience, must contain one or more elements essentially from each of the following three categories. Elements of Category (a) below, must contribute at least 30% cost of the project.		The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category ( 1 ) below,must contribute at least	The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category ( 1 ) below,must contribute at least	
			(a) The establishment of DC/DR, Fire-walls and Managed services.	The establishment of DC/DR, Fire-walls and Managed services.				
			(b) Active Switches, EMS and Backbone Cabling with associated IT components.	Active Switches, EMS and Backbone Cabling with associated IT components.				

			(c) Wi-Fi, P2P radio links and Laying of Underground OFC Networks.	Wi-Fi, P2P radio links and Laying of Underground OFC Networks.		Rs 24 Crs cost from the project / projects,	category (a) below, must contribute at least Rs 24 Crs cost from the project / projects,	
3	2(d)	Page No 8	Project-Wise, Work order copies and completion certificates, depicting various project elements and costs thereof, with MAF details, to be enclosed)	Project-Wise, Work order copies and completion certificates, depicting various project elements and costs thereof, <del>with MAF details, to be enclosed</del>	Sir, For experience, When bidder to submit Project work orders and work completion certificates in such scenario 7 years old MAF from various OEMs will not be beneficial to end customer , also locating 7 years old MAF is practically difficult and hence request to consider only work order and completion certificate here	MAF is not required for the projects cited towards eligibility. However, MAF is required as per the list for solution offered by the Bidder. This is also part of the technical requirements.	MAF is not required for the projects cited towards eligibility. However, MAF is required as per the list for solution offered by the Bidder. This is also part of the technical requirements.	
4			Consortium	Request you to please allow the consortium (Lead + 1) for more participation of bidder	Permitting consortium shall bring in decent participations of bidders along with strong techno commercial proposal thus benefiting end customer	RFP Clause will prevail	RFP Clause will prevail	
5	5 (e)	Page No 10	Certificate from Statutory Auditor/CA specifying the Annual Turnover from ICT services during last three years (2016-19).	Request you to please ammend the clause as per below : Certificate from Statutory Auditor/CA specifying the Annual Turnover during last three years (2016-19).		RFP Clause will prevail	RFP Clause will prevail	

6	2(iv)	Page No 3	The intending bidder must be an IT/TES/Networking company, having an Experience of successfully executing similar nature of works as mentioned in the Scope of Work viz. setting up of DC/DR (H/w & S/w), Firewalls, active Switches, Managed Services, Backbone cabling, Setting up of Wi-Fi Networks, laying of WAN/LAN Networks and laying of OFC etc. during the last 7 years (as on 31st March 2020) of at least following value/billing: One Project costing Rs 80 Cr OR Two projects costing Rs 50 Cr. each OR Three Projects costing Rs 40 Cr. each.	We have executed ICT projects above 80cr. However, only 3-4 of the above-said work streams are included in the >80cr work completion. We do however have citations from other client projects for the rest of the work streams thus completing all those 10 different work streams. We would therefore request you to kindly relax this condition by stating  “while it is imperative for bidders to produce work completion certificates in ICT Systems integration category for values exceeding 80crs (one order), 50crs (two orders), 40crs (3 orders) as the case may be, should such certificate(s) not comprise all work-streams as stated in the RFP, bidders are allowed to prove their expertise/past track record in all specified areas through completion certificate of other governmental projects” . .					
7	2 (v) (iii)		Average Annual financial turnover during the last 3 years, ending 31 March -2019 should be at least Rs. 100 Cr. Audited financial statements for the last 3 years (2016-17, 2017-18, 2018-19) to be enclosed.	Average Annual Turnover Rs. 55 Cr.	We request you to change the clause as:  Average Annual financial turnover during the last 3 years, ending 31 March-2019 should be at least Rs. 55 Cr. Audited financial statements for the last 3 years (2016-17, 2017-18, 2018-19) to be enclosed.	RFP Clause will prevail	RFP Clause will prevail		
8	2 (v)		The intending bidder must be an IT/TES/Networking company, having an Experience of successfully executing similar nature of works as mentioned in the Scope of Work viz. setting up of DC/DR (H/w & S/w), Firewalls, active Switches, Managed Services, Backbone cabling, Setting up of Wi-Fi Networks, laying of WAN/LAN Networks and laying of OFC etc. during the last 7 years (as on 31st March 2020) of at least following value/billing: One Project costing Rs 80 Cr OR Two projects costing Rs 50 Cr. each OR Three Projects costing Rs 40 Cr. each.	We request you to give relaxation in value of PO.	We request you to change the clause as:  One Project costing Rs. 20 Cr. OR Two Projects costing Rs. 10 Cr. OR Three projects of Rs. 5 Cr.	RFP Clause will prevail	RFP Clause will prevail		

9	2 (ii)	Valid CMMI Level 3 or above certificate	kindly remove CMMI Level 3 or make it optional	CMMI certification is more aligned to Software Development hence this clause should be applicable to the Software OEMs. MS/ Bidder does not do any software development hence this certification should not be necessarily aligned to the MS/Bidder.	Clause is removed.	Clause is removed.	
	Additional Query	Additional Query	Kindly allow atleast 3 Consortium Member (including Lead Bidder).	Allowing Consortium will increase competitiveness of the Tendering Process	RFP Clause will prevail	RFP Clause will prevail	
	Additional Query	Additional Query	Kindly allow at least 3 Consortium Member (including Lead Bidder).	Allowing Consortium will increase competitiveness of the Tendering Process	RFP Clause will prevail	RFP Clause will prevail	
	2 (v) (iii)	Average Annual financial turnover during the last 3 years, ending 31 March -2019 should be at least Rs. 100 Cr. Audited financial statements for the last 3 years (2016-17, 2017-18, 2018-19) to be enclosed.	Average Annual Turnover Rs. 40 Cr.	This clause is very against to MSME / NSIC firms to participation in the bid who having huge experience in this types of projects. So kindly allow with minimum average annual turnover of Rs. 40 Cr.	RFP Clause will prevail	RFP Clause will prevail	
	2 (ii)	Valid CMMI Level 3 or above certificate	kindly remove CMMI Level 3 or make it optional	Normally CMMI certification is required for project that are related to software development. Since the tender is not related to any software development activity, we request you to remove this clause as the same is not relevant for this tender.	Clause is removed.	Clause is removed.	
10	2 (ii)	Average Annual financial turnover during the last 3 years, ending 31 March-2019 should be at least Rs. 100 Cr. Audited financial statements for the last 3 years (2016-17, 2017-18, 2018-19) to be enclosed.	Kindly amend this clause as:  Average Annual financial turnover during the last 3 years, ending 31 March-2019 should be at least Rs. 60 Cr. Audited financial statements for the last 3 years (2016-17, 2017-18, 2018-19) to be enclosed.	This clause is very Stringent and restricting / disallowing fair participation among various leading IT companies having vast experience in Supply, Installation, Testing Commissioning of IT hardware, software, networking in domestic / overseas projects.	RFP Clause will prevail	RFP Clause will prevail	

11	2 (v) (iii)		If Service & Security Accreditations: The intending bidder must possess the following certifications on the date of submission of the bids: (c) Valid CMMI Level 3 or above, certificate	Kindly allow Bidder with valid ISO certifications only.	We recommend to include ISO 9001/27001/ ISO 9001/2008 or CMMI 3. It will be more open to bidders.	<a href="#">Clause is amended</a>	Clause is amended	
12	Additional Query		Additional Query	Kindly allow atleast 3 Consortium Member (including Lead Bidder).	Considering the wide scope of work, request you to please allow consortium for flawless execution of the Project.	RFP Clause will prevail	RFP Clause will prevail	
13	2 (ii)		Valid CMMI Level 3 or above certificate	kindly remove CMMI Level 3 or make it optional	CMMI certification is generally an ask for exporting software services to the international market. Moreover as per the section "5.3 Compliance with Industry Standards", the solution is compliant as per ISO 20000 (Service Management) specifications. So we would request ITI Limited to drop this redundant parameter.	Clause is removed.	Clause is removed.	
14	2 (v) (iii)		Average Annual Turnover of Rs. 100 Cr.	Kindly allow Bidder with valid ISO certifications only.	Since our Prime Minister is very much promoting NSIC/MSME firms, request you to bring down the turnover to 50 Crore as it will be very difficult for a MSME holder to furnish this kind of Turnover.	RFP Clause will prevail	RFP Clause will prevail	
15	Suggestion		Suggestion	Kindly allow atleast 2 Consortium Member (including Lead Bidder).	Considering the wide scope of work, request you to please allow consortium for flawless execution of the Project.	RFP Clause will prevail	RFP Clause will prevail	

16	<b>Eligibility Criteria (a)</b>	8	The bidder must be, a company registered in India, under the companies Act – 1956 or 2013 and should be in business of IT / ITI ES/Networking for at least 5 years.	In the below it is mentioned that organization should be 100Cr. organization, Will you also consider other business turnover like oil and gas,Logistics,construction,Projects etc with minimum turnover in IT which means they will have minimum experience in IT ,Rather it should be clearly mentioned that 100Cr. turnover should be only from ICT or IT services only .	Kindly change it to 100CR IT services or ICT services company	Clause amended. "Average Annual financial turnover from ICT Business during the last 3 years, ending 31st March-2019 should be at least Rs. 100 Cr . Audited financial statements for the last 3 years (201617, 2017-18, 2018-19) to be enclosed. "	Clause amended "Average Annual financial turnover from ICT Business during the last 3 years, ending 31st March-2019 should be at least Rs. 100 Cr . Audited financial statements for the last 3 years (201617, 2017-18, 2018-19) to be enclosed. "	
17	<b>Eligibility Criteria (b)</b>	8	Average Annual financial turnover during the last 3 years, ending 31st March-2019 should be at least Rs. 100 Cr . Audited financial statements for the last 3 years (201617, 2017-18, 2018-19) to be enclosed.	In the below it is mentioned that organization should be 100Cr. organization, Will you also consider other business turnover like oil and gas,Logistics,construction,Projects etc with minimum turnover in IT which means they will have minimum experience in IT ,Rather it should be clearly mentioned that 100Cr. turnover should be only from ICT or IT services only .	Kindly change it to 100CR from IT services or ICT services	Clause amended. "Average Annual financial turnover from ICT Business during the last 3 years, ending 31st March-2019 should be at least Rs. 100 Cr . Audited financial statements for the last 3 years (201617, 2017-18, 2018-19) to be enclosed. "	Clause amended. "Average Annual financial turnover from ICT Business during the last 3 years, ending 31st March-2019 should be at least Rs. 100 Cr . Audited financial statements for the last 3 years (201617, 2017-18, 2018-19) to be enclosed. "	

18	<b>Eligibility Criteria (d)</b>	8	The project/projects claimed towards experience, must contain one or more elements essentially from each of the following three categories. Elements of Category (i) below, must contribute at least 30% cost of the project.	This statements differs with the eligibility of order values that are given if some one picks higher order value it will be completely irrelevant and also it might encourage non IT partners also	Either this point itself to be removed or consider as The establishment of DC/DR/Fire-walls/ Managed services /Active Switches & Passive Switches/Routers as this is a complete DC solution rather than a cabling solution.	The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category ( 1 ) below must contribute at least Rs 24 Crs cost from the project / projects,	The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category (i) below,must contribute at least Rs 24 Crs cost from the project / projects,	
19	<b>Eligibility Criteria (e) (i)</b>	8	Valid CMMI Level 3 or above, certificate	CMM level3 or above is considered when there is any software customization development is required, Kindly request you to not to consider this point as in the entire scope there is no software development or customization is required other than implementation .	This point is irrelevant for this project.Kindly remove.	Clause is removed.	Clause is removed.	
20	<b>Delivery period shall be as below:</b>	13	Supply of DC / DR Components including hardware and Software. 10 + 6 Weeks	Due to the covid 19 situation most of the product deliveries are getting delayed	Kindly request you to increase the delivery terms to 10+12 weeks to 14 weeks minimum	RFP Clause will prevail	RFP Clause will prevail	
21	<b>Additional Query</b>	<b>Additional Query</b>	<b>Additional Query</b>	<ul style="list-style-type: none"> <li>Manpower requirement is not given in this RFP ,if it comes as a different RFP NMDC might face a challenge of coordination between people as there will not be any responsibility or Ownership from System Integrators on the deliverables of the people who might get recruited from a different agency or organization. NMDC might face a productivity loss of people due to lack of coordination which inturn will make a financial loss .Ideally Manpower should also be part of this RFP so that complete responsibility lies with single company as coordination and ownership will be with single company.</li> </ul>		<b>Not accepted Please</b>	<b>Not accepted Please</b>	
							Not accepted Please	



22	2 (a)& 2(i)	Page No 3 & 8	The bidder must be, a company registered in India, under the companies Act – 1956 or 2013 and should be in business of IT /ITES/ Networking for at least 5 years.	Please clarify consortium is allowed and this clause can be qualified by any member of the consortium	This will make the bid more competitive.	RFP Clause will prevail	RFP Clause will prevail	
23	2(iv) & 2(d)	Page No 3 & 8	<p>The intending bidder must be an IT/ITES/Networking company, having an Experience of successfully executing similar nature of works as mentioned in the Scope of Work viz. setting up of DC/DR (H/W &amp; S/W), Firewalls, active Switches, Managed Services, Backbone cabling, Setting up of Wi-Fi Networks, laying of WAN/LAN Networks and laying of OFC etc. during the last 7 years (as on 31st March'2020) of at least following value/billing:</p> <p>One Project costing Rs 80 Cr</p> <p>OR</p> <p>Two projects costing Rs 50 Cr. each</p> <p>OR</p> <p>Three Projects costing Rs 40 Cr. each.</p>	<p>Please clarify consortium is allowed and this clause can be qualified by any member of the consortium.</p>	This will make the bid more competitive.	RFP Clause will prevail	RFP Clause will prevail	
			The project/projects claimed towards experience, must contain one or more elements essentially from each of the following three categories. Elements of Category (a) below, must contribute at least 30% cost of the project.	Please clarify if any one of the each category will also qualify.	This will make the bid more competitive.	<p>The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category ( 1 ) below,must contribute at least Rs 24 Cr's cost from the project / projects,</p>	<p>The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category (a) below,must contribute at least Rs 24 Cr's cost from the project / projects,</p>	
			(a) The establishment of DC/DR, Fire-walls and Managed services.	The establishment of DC/DR, Fire-walls and Managed services.				
			(b) Active Switches, EMS and Backbone Cabling with associated IT components.	Active Switches, EMS and Backbone Cabling with associated IT components.				
			(c) Wi-Fi, P2P radio links and laying of Underground OFC Networks.	Wi-Fi, P2P radio links and laying of Underground OFC Networks.				

24	2(d)	Page No 8	Project-Wise, Work order copies and completion certificates, depicting various project elements and costs thereof, with MAF details, to be enclosed)	Please remove MAF and make Order copies not mandatory if completion certificate is available. As work order is under NDA in most of the cases.	MAF for the components we are quoting will be attached to the technical solution proposed.	MAF is not required for the projects cited towards eligibility. However, MAF is required as per the list for solution offered by the Bidder. This is also part of the technical requirements.	MAF is not required for the projects cited towards eligibility. However, MAF is required as per the list for solution offered by the Bidder. This is also part of the technical requirements.	
25	Additional Query	Additional Query	Consortium	Kindly allow Consortium in the bid as it is restricting the participation of more bidders.	This will make the bid more competitive.	RFP Clause will prevail	RFP Clause will prevail	
26	5 (e)	Page No 10	Certificate from Statutory Auditor/CA specifying the Annual Turnover from ICT services during last three years (2016-19).	Please clarify if any of the consortium member can fulfill this criteria.		RFP Clause will prevail	RFP Clause will prevail	
27	2(iv)	Page No 3	The intending bidder must be an IT/TES/Networking company, having an Experience of successfully executing similar nature of works as mentioned in the Scope of Work viz. setting up of DC/DR (H/w & S/w), Firewalls, active Switches, Managed Services, Backbone cabling, Setting up of Wi-Fi Networks, laying of WAN/LAN Networks and laying of OFC etc. during the last 7 years (as on 31st March 2020) of at least following value/billing: One Project costing Rs 80 Cr OR Two projects costing Rs 50 Cr. each OR Three Projects costing Rs 40 Cr. each.	Kindly make it during last 10 years.		Not accepted Please	Not accepted Please	
28	13	Page No 15	Increase/decrease/ in quantity or alter the location of installation & commissioning within NMDC premises at any of its Offices / Mining Areas/Sites.	upto 10% increase/ decrease/ in quantity or alter the location of installation & commissioning within NMDC premises at any of its Offices / Mining Areas/Sites.		RFP Clause will prevail	RFP Clause will prevail	
29	Clause 13.7	Page No 15	ITI reserves its rights to modify, add/delete any conditions as deemed required in the RFP on a later stage and such modifications, additions/deletions shall be binding on the bidder/Supplier.	With Mutual consent only, ITI shall modify, add/delete any conditions as deemed required in the RFP on a later stage.	Please make it mutual otherwise its not possible to bid the tender as Bidder would be bidding keeping in mind the terms and conditions of the RFP.	The clause relevant till RFP stage. No post bid changes.	The clause relevant till RFP stage. No post bid changes.	

30	Clause 15	Page No 16	PIP shall indemnify and hold harmless ITI and its employees from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney's fees and expenses, in respect of the death or injury of any person or loss of or damage to any property, arising in connection with the offer of services under this LOA and by reason of the negligence of the PIP , or their employees, or agents, except any injury, death or property damage caused by the negligence of NMDC/ITI, its employees, or agents.	Notwithstanding anything contained elsewhere, the aggregate liability of the Bidder will be capped to the cost payable to the bidder for the work executed including indemnification claims.	This clause is making the liability uncapped for bidder, kindly cap it to the charges payable to the bidder.	RFP Clause will prevail	RFP Clause will prevail	
31	Clause 15	Page No 16	Termination	Please clarify, incase of termination due to any reason, the bidder will be paid for the products supplied and services executed till the date of termination or any extension thereafter.	Since it's a loss to bidder if products and services are already supplied. Please incorporate this clause.	RFP Clause will prevail	RFP Clause will prevail	
32	(A) i	14	<b>PAYMENT RELATED:</b> Placement of Order by ITI - 20% of Invoice Value.	Requested payment terms 20%		RFP Clause will prevail	RFP Clause will prevail	
33	(A) ii	14	On Proof of Dispatch - 20% of Invoice Value.		20%			
34	(A) iii	14	<b>On Receipt of Items at Site - 30% of Invoice Value</b>		<b>45%</b>			
35	(A) iv	14	On Installation of The Equipment - 20% of Invoice Value		10%			
36	(A) V	14	On Go-Live and Operational Acceptance by NMDC - 10% of Invoice Value.		5%			
37	10	245	<b>BOQ RELATED: Horizontal Cabling</b> -Installation and Commissioning charges for the above	Do we need to quote both places, its already covered in page no 246		Yes	Yes	
38	2	246	<b>Installation of Cable Links</b> -Installation, Testing and Commissioning of Horizontal Cable Links along with supply of requisite Casing & Casing / PVC conduits / HDPE pipes	supply of material PVC conduits /casing casing is it under ITI scope or not		Not to ITI Scope. Bidder should consider the cost for HDPE pipe, Ducts and all cable laying accessories in the laying cost.	Not in ITI Scope. All costs inclusive in price bid.	

39	1	247	<b>OC Laying</b> Installation (Trenching, cable pulling through HDPE pipes, Manholes every 2KMs or 2 right angle bends) Testing and Commissioning of Optical Fibre Links along with supply of ISI marked / TEC approved HDPE pipe	supply of HDPE pipe is it under ITI scope or not		Not to ITI Scope. Bidder should consider the cost for HDPE pipe, Ducts and all cable laying accessories in the laying cost.	Not in ITI Scope. All costs inclusive in price bid.	
40	Additional Query	Additional Query	General	Is Billing as per actuals supplied / installed if yes please clarify regarding wastage %		Billing as per actuals supplied/ installed.	Billing as per actuals supplied/ installed.	
41	1KVA Online UPS 4.3 Nominal Input Frequency	209	50 Hz +/- 10 Hz	As per standard practice in India , 50 Hz +/- 5% is maintained for frequency synchronization. We request to kindly consider this fact.		RFP Clause will prevail	RFP Clause will prevail	
42	Scope of Work	56	Supply, installation, configuration, testing and commissioning of Security infrastructure like Next Generation Firewalls, Antivirus, DDOs, PIM, HIPS, IDAM, DAM, IPS/IDS, Log Servers, and Web Application Firewall etc.	Please modify the clause as - " <b>Supply, installation, configuration, testing and commissioning of Security Infrastructure like Next Generation Firewalls, Log Servers, and Web Application Firewall etc.</b> "	Since other asked solution components are not part of RFP BOQ. Please remove the same.	RFP Clause will prevail	RFP Clause will prevail	
43	Delivery Timelines	13	Submission of a detailed design and deployment methodology and implementation plan of execution of the project and the approval of NMDC is TO+1 Week	It Should be atleast TO + 3-4 Week	1) As it required site survey at different zones and at multiple sites for the preparation of design, and site wise BOQ. 2) Preparation of documentation with detailed drawing. 3) It also required approval from NMDC.	RFP Clause will prevail	RFP Clause will prevail	
		13	Supply of DC / DR Components including hardware and Software TO + 6 Weeks					
		13	Supply of LAN / WAN Components TO + 6 Weeks					
		13	Installation and Commissioning of DC / DR TO + 9 Weeks	It Should be atleast TO + 13	1) Hardware installation will take at least 3 weeks and application installation and optimization will take at least 4 weeks.	RFP Clause will prevail	RFP Clause will prevail	

		Installation and Commissioning LAN/WAN, T0 + 15 Weeks	It Should be atleast T0 + 32 to 36 Weeks after all clearance and permission from concerned authority.	1) As the trenching work for OFC laying qty. is very huge i.e. 270 KM. 2) Dependancies on permissions from different-different concerned authorities. 3) Dependancies on site and weather conditions.			
44	Clearances for Excavation Work	227	The Executing Agency shall be responsible for obtaining necessary clearances for excavation work from the authorities on behalf of the Owner and provide requisite copies of information, maps, survey report etc to the authorities.	Getting clearance for Excavation work, should not be in the scope of Bidder.	1) As for most of the time permissions request made by bidder, are not entertained properly by the Govt. departments, which lead to delay.  Hence, all permission requests to any government department should be placed by through government channel only.		
45	Trenchless Digging	233	Trenchless digging may be used in short section for crossing National highways, important road or rail crossings etc., where the concerned authorities do not permit open cut method, for which no additional cost shall be provided by the Employer.	1) Trenchless digging should be permitted, where there is feasibility and no issues of permissions.  2) Trenchless digging should be mentioned along with the OFC laying BOQ line items mentioned in page no. 161, or it can be a saperate line item	It will help completing the OFC laying work on time.	Entire cable laying work is within the NMDC Premises and hence approval from public authorities is not applicable.	Entire cable laying work is within the NMDC Premises and hence approval from public authorities is not applicable.  <b>RFP Clause will prevail</b>
46	Controlled blasting	229	For excavation in hard rock, controlled blasting can be resorted to. The Contractor shall obtain necessary permissions from the statutory authorities for blasting and the use of explosives for this purpose.	It might lead in the inflation of the project costing..			
47	Optical Fiber Laying and Backfilling	227 - 230	Specification as per the clause mentioned in the Page No. 103-106 on Optical Fiber Laying and Backfilling.	It might lead in the inflation of the project costing..			
48	Manpower Deployment List	60	1) A list needs to be provided with resources who will be deployed on the project along with the roles and responsibilities of each resource.  2) List and number of all cloud-based resources (including but not limited to servers (VMs), storage, network components and software components) other than manpower that may be required.	Required more details on the required resource Qualification and Experience part. As in Tender there is no details available in this regard.	Required for considering the cost !!	RFP Clause will prevail	RFP Clause will prevail

49	OEM Availability	32	During implementation, IP shall ensure that <i>full time</i> team member from each OEM is available till the operational acceptance of their respective BoQ.	Need clarity on the clause, because if we need to ensure the <i>full time</i> physical presence of OEM team member, it should be the part of MAF itself.	For ensuring the availability of full time OEM team member.	RFP Clause will prevail	RFP Clause will prevail	
50	Terms of Payment (A). FOR SUPPLY ITEMS:	14	(i). On Placement of Order by ITI 20% of Invoice Value. (ii). On Proof of Dispatch 20% of Invoice Value (iii). On Receipt of Items at Site 30% of Invoice Value (iv). On Installation of The Equipment 20% of Invoice Value (v). On Go-Live and Operational Acceptance by NMDC.10% of Invoice Value.	(i). On Placement of Order by ITI 20% of Invoice Value. (ii). On Proof of Dispatch 20% of Invoice Value (iii). On Receipt of Items at Site 40% of Invoice Value (iv). On Installation of The Equipment 10% of Invoice Value (v). On Go-Live and Operational Acceptance by NMDC.10% of Invoice Value.		RFP Clause will prevail	RFP Clause will prevail	
51	The intending bidder must be an IT/ITES/Networking company, having an Experience of successfully executing similar nature of works as mentioned in the Scope of Work viz. setting up of DC/DR (H/w & S/w), Firewalls, active Switches, Managed Services, Backbone cabling, Setting up of Wi-Fi Networks, laying of WAN/LAN Networks and laying of OFC etc. during the last 7 years (as on 31st March 2020) of at least following value/billing: One Project costing Rs 80 Cr OR Two projects costing Rs 50 Cr. each	3	The project/projects claimed towards experience, must contain one or more elements essentially from each of the following three categories. Elements of Category (a) below, must contribute at least 30% cost of the project.	The project/projects claimed towards experience, must contain one or more elements essentially from each of the following three categories. Elements of Category (a) below, must contribute at least 30% cost of the project asked (i.e. 30% of one project of Rs. 80 Cr or 30% each of two Projects of Rs. 50 Cr or 30% each of 3 Projects of Rs. 40 Cr)		The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category ( 1 ) below,must contribute at least Rs 24 Cr's cost from the project / projects,	The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category (a) below,must contribute at least Rs 24 Cr's cost from the project / projects,	
52	b) 1G Switch (DC) – Type 2	151	The switch should support 2*10-Gigabit ports SFP+ loaded with 2*SR transceivers and 2 RJ-45 1/10GBASE-T ports in addition to the above ports	Most of the switches support SFP/SFP+ Ports and most of the vendors are supporting that.	Kindly amend the specifications as "The switch should support 4*10-Gigabit ports SFP+ loaded with 2*SR transceivers	RFP Clause will prevail	RFP Clause will prevail	
		3	(c) Wi-Fi, P2P radio links and Laying of Underground OFC Networks.	(c) Wi-Fi, P2P radio links and Laying of Underground OFC Networks.				
		3	(b) Active Switches, EMS and Backbone Cabling with associated IT components.	(b) Active Switches, EMS and Backbone Cabling with associated IT components.				

53				Average Annual financial turnover during the last 3 years, ending 31st March 2019 should be at least Rs. 100 Cr. Audited financial statements for the last 3 years (2016-17, 2017-18, 2018-19) to be enclosed.	We are requesting you, kindly change the Eligibility Criteria to 35Cr as in the previous RFP, In light of the impact of the Covid-19 pandemic on employment and entrepreneurship, we request kindly consider MSME organizations also to participate in this RFP subject to meeting the quality and technical specifications. Also, as per the MSME policy circulars attached, MSME registered Company are eligible for the Relaxation of Norms for Start-up and Micro & Small Enterprises in Public Procurement on past Financial turnover records norms and we request for your kind consideration and relaxation.		RFP Clause will prevail	RFP Clause will prevail	
54				The intending bidder must be an IT/ITES/Networking company, having an Experience of successfully executing similar nature of works as mentioned in the Scope of Work viz. setting up of DC/DR (H/w & S/w), Firewalls, active Switches, Managed Services, Backbone cabling, Setting up of Wi-Fi Networks, laying of WAN/LAN Networks and laying of OFC etc. during the last 7 years (as on 31st March 2020) of at least following value/billing: One Project costing Rs 80 Cr OR Two projects costing Rs 50 Cr. each OR Three Projects costing Rs 40 Cr. each.	We are kindly requesting you to kindly request for a MSME relaxation as like the last cancelled RFP.		RFP Clause will prevail	RFP Clause will prevail	
55				Valid CMMI Level 3 or above, certificate.	Kindly remove the CMMI certificate clause and allow MSME participation and promotion in this Pandemic COVID-19 Conditions.	We M/S Connectivity IT Solutions Pvt Ltd. We are Certified Gold Partner to CISCO. We are working in many of the PSU/Central govt/state Govt for networking RFPs. For the BSFI customer We supply and installed networking equipment's 1500 locations in PAN INDIA. We are building ITI Cloud and partner in delivering the solutions.	Clause is removed.	Clause is amended	

56	Clause 2(iv)	Page 3	The project/projects claimed towards experience, must contain one or more elements essentially from each of the following three categories: Elements of Category (a) below, must contribute at least 30% cost of the project. (a) The establishment of DC/DR, Fire-walls and Managed services. (b) Active Switches, EMS and Backbone Cabling with associated IT components. (c) Wi-Fi, P2P radio links and Laying of Underground OFC Networks.	Request to Clarify that the Experience Segments mentioned in Sub Categories (a), (b), and (c) are from multiple customers multiple purchase Orders for one or more elements from each of the categories. i.e One or More Element from each Category (a), (b), and (c) from Multiple Customers Multiple Orders.		The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category ( 1 ) below,must contribute at least Rs 24 Crs cost from the project / projects,	The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category (a) below,must contribute at least Rs 24 Crs cost from the project / projects,	
57	Annexure-VI BOM	(P.Nos.248)	For all the BOMs it is asked that " Applicable tax rates should be mentioned"	There is no column for "Taxes in the BOM. Pls clarify where to mention the taxes		Price bid format amended. However taxes will not be considered for evaluation. Only indicate current tax %	Price bid format amended. However taxes will not be considered for evaluation. Only indicate current tax %	
58	Annexure – I : Scope of Work	Page 57	The Data Center should be in Hyderabad and the service provider should have his own building.	Most of DC's players have long lease buildings ,so request dept. to please allow the DC players with long lease.		RFP Clause will prevail	RFP Clause will prevail	
59	Annexure – I : Scope of Work	Page 59	DC & DR should be from same service provider and should not be in the same seismic zone	Can we provide DC and DR from different service providers with same specifications like rated 3 and should be in different seismic zones.		RFP Clause will prevail	Clause is clear and prevails	
60	BOQ		Seating Space in DC for OEM/ IP/ SI/ NMDC	Do we also need to provision the seat in DR as well		YES	YES	



61	2. ( d ) on	page no.8	Eligibility Criteria	Request to amend as below: The intending bidder must have experience of successfully executing similar nature of works for a total value of Rs. 80 Cr or more out of which  a) The bidder should have successfully supplied and installed similar IT Hardware requirements for at least Three (3) SAP implementation projects of value not less than Rs. 10 crores each in India. Out of which at least, i     2 Projects should be of value of Rs.15 crores or more. ii    One project shall be a SAP HANA implementation  b) The bidder should have experience in establishing DC-DR installations of similar nature for at least 2 organizations. The bidder should have experience in and providing complete support (FM) Services for a similar DC DR installation. c) The bidder shall have experience in setting up of at least 2 nos. of campus wide networks consisting of switches/Wi fi access points and WLCs. At least one project of WLAN/Point to Point to Radio Links shall be considered. d) The bidder company shall have certified Engineers in Data Centre infrastructure consisting of Servers, Storage, Network, Firewalls to ensure Proper project implementation shall be carried out.						
62	2 ( e ) i,ii,iii (on	page no.8)	IT Service & Security Accreditations:	Request to amend as below:  i) Valid ISO 20001, ii)Valid ISO 27001 (OR) CMMI Level 3	CMMI clause removed	CMMI clause removed				
63	7	(page no 13 )	Delivery Period	Request to amend as below:  In view of the multiple components involved, extensive geographically distributed field installations and in view of current lockdowns etc, the delivery and installations may take long times and hence request to give about 12 weeks for supply and about 16weeks thereof for installation from the date of supply.	RFP Clause will prevail	RFP Clause will prevail				
64	12 ( a )	(page no 14)	Terms of Payment: For Supply of Items	Request to amend as below  70% Payment against Delivery of the equipment and 20% against installation and 10% on Go live.	RFP Clause will prevail	RFP Clause will prevail				
64	Page# 2 , Date of Submission		Due Date for Submission of RFP is 11/06/2020	Current situation of rapid spread of coronavirus, there are certain guidelines which have been issued by the government to contain the spread of COVID-19. Due to this, employees of our company, partners and OEMs are working from home and have travel restrictions for meetings are in place. We hereby submit our request for extending the bid submission deadline from the current date of bid submission to 25th June, 2020 for preparation and submission of technical and commercially responsive bid.	RFP Clause will prevail	Revised Bid Submission dates as notified on web site.				

65	2, Eligibility Criteria, Clause No. ii Page No. 3		Average Annual financial turnover during the last 3 years, ending 31 March-2019 should be at least Rs. 100 Cr. Audited financial statements for the last 3 years (2016-17, 2017-18, 2018-19) to be enclosed.	Request to modify the clause as " Average Annual financial turnover during the last 3 years, ending 31 March-2019 should be at least Rs. 300 Cr. Audited financial statements for the last 3 years (2016-17, 2017-18, 2018-19) to be enclosed".		RFP Clause will prevail	Clause amended as: "Average Annual financial turnover from ICT Business during the last 3 years, ending 31st March-2019 should be at least Rs. 100 Cr. Audited financial statements for the last 3 years (2016-17, 2017-18, 2018-19) to be enclosed. "	
66	2, Eligibility Criteria, Clause No. V, C Page No. 3		Valid CMMI Level 3 or above, certificate	Request to modify the clause as "Bidder should be Valid CMMI Level 5 certificate". Valid certificate must be Enclosed.		CMMI clause removed	CMMI clause removed	
67	2, Eligibility Criteria, Clause No. ii Page No. 3		New addition	The Bidder should have at least a staff of 350 trained and skilled manpower. Trained and skilled manpower will be those personnel who have at least a B Tech / B.E. Computer Science / Information Technology/Electronics Communication /Information Science or MCA qualification. (Declaration letter should be provided)		RFP Clause will prevail	RFP Clause will prevail	
68	3 Bid Submission, Clause No. i, Page No.4		(i) EMD for Rs. 2.0 Cr. which can be submitted in the form of DD or Bank Guarantee valid for 6 months. Technical Bids without EMD will not be considered.	Request to modify the clause as "EMD for Rs. 1.0 Cr. which can be submitted in the form of DD or Bank Guarantee valid for 6 months. Technical Bids without EMD will not be considered"		RFP Clause will prevail	RFP Clause will prevail	
69	3 Bid Submission, Clause No. 5, Page No.4		A PBG of 10% needs to be submitted by the successful bidder for the period of delivery and execution and 5% for 63 Months thereafter.	Request to modify the clause as "A PBG of 5% needs to be submitted by the successful bidder for the period of delivery and execution and 2% for 63 Months thereafter"		RFP Clause will prevail	RFP Clause will prevail	
70	12. Terms of Payment:		(A). FOR SUPPLY ITEMS: (i). On Placement of Order by ITI 20% of Invoice Value. (ii). On Proof of Dispatch 20% of Invoice Value (iii). On Receipt of Items at Site 30% of Invoice Value (iv). On Installation of The Equipment 20% of Invoice Value (v). On Go-Live and Operational Acceptance by NMDC 10% of Invoice Value.	Request to modify the clause as "(A). FOR SUPPLY ITEMS: (i). On Placement of Order by ITI 25% of Invoice Value. (ii). On Proof of Dispatch 25% of Invoice Value (iii). On Receipt of Items at Site 30% of Invoice Value (iv). On Installation of The Equipment 15% of Invoice Value (v). On Go-Live and Operational Acceptance by NMDC 5% of Invoice Value.		RFP Clause will prevail	RFP Clause will prevail	
71	General Requirement of IT Service/Helpdesk/Point No. 59 (Page 161)		The proposed helpdesk should have solutions like : Incident management, Problem Management, Change Management, Knowledge Management, Service Level Management, Service Asset and Configuration management, Service Catalogue and Request Fulfillment, etc. The certification copies to be submitted.	To continuously maintain the hygiene of IT Service Management product we recommend to add " ITSM should be <b>ITIL 2011 certified intelligent solution that leverages the latest advancement in technology, such as Mobility, Analytics, and Automation</b> to help CIOs and Service Providers improve the productivity of IT service operations and reduce the cost and complexities involved and it should be atleast <b>certified for 12 processes with Pink verify</b> "		RFP Clause will prevail	RFP Clause will prevail	

72	New Clause addition request		Considering the current COVID situation, there will be a significant change in the way organizations work with "Work from Home", "Work Remotely" etc. becoming prevalent. Due to these ever-changing landscape, self-help, self-service etc. becomes extremely important. We request you to add this point as this will greatly help in service fulfillment through automation	Please add an additional clause as " <b>The system must support end to end zero touch automation, i.e., the user can request the system for a service using natural language, and the system should fulfill the service request through backend automation orchestration, without any human interaction involved</b> "		RFP Clause will prevail	Not accepted Please	
73	New Clause addition request		Considering the current COVID situation, there will be a significant change in the way organizations work with "Work from Home", "Work Remotely" etc. becoming prevalent. Due to these ever-changing landscape, self-help, self-service etc. becomes extremely important. We request you to add this point as this will greatly help in service fulfillment through automation	Please add an additional clause as " <b>The software will have the intelligence to categorize and classify an incident to the most appropriate category and set its impact, severity and priority levels automatically based on learnings from historical analysis</b> "		RFP Clause will prevail	Not accepted Please	
74	New Clause addition request		Considering the current COVID situation, there will be a significant change in the way organizations work with "Work from Home", "Work Remotely" etc. becoming prevalent. Due to these ever-changing landscape, self-help, self-service etc. becomes extremely important. We request you to add this point as this will greatly help in service fulfillment through automation	Please add an additional clause as " <b>The software should be able to route a service request or incident automatically to the most appropriate analyst and workgroup, and the analyst selection will be learned by the system from historical data of past resolved incidents and time to resolve combined with analyst skills levels, quality of resolution, current workload of the analyst, criticality of the ticket.</b> "		RFP Clause will prevail	Not accepted Please	
75	New Clause addition request			Please add an additional clause as " <b>The software must support easy customization of the user interface by IT team without any need for releases, including scripts and html, in order for introducing custom logic for user input fields and corresponding actions, or visual elements on the user interface</b> "		RFP Clause will prevail	Not accepted Please	

76	Co-location of DC and DR	Page No. of 2/Scope of Work/1a	Establishment of a DC and DR (on Co-Location basis at Merty Empameened Service Provider) to host the Applications of NMDC such as SAP S/4 HANA ERP at DC, located in Hyderabad and DR located in another city and another seismic zone.	Request you to please explain and elaborate on co-location expectation and venue for the DR Locations	Without knowing expectation of Colocation services it will be tough for SI to fetch the competitive prices from Managed Service providers	Co-location services to be provided by DC/DR service provider includes caging, space, Power, Cooling, Physical Security etc. DC will be in Hyderabad and DR in another seismic zone from the same service provider.	Co-location services to be provided by DC/DR service provider including caging, space, Power, Cooling, Physical Security etc. DC will be in Hyderabad and DR in another seismic zone from the same service provider.	
77	Integration	Page No. of 2/Scope of Work/1b	Supply, Installation, Integration, Testing, Commissioning and Support (Sitcs) of LAN and WAN Networks.	Request you to please explain the integration and migration aspects of this solution.	As in BOQ Blades for Legacy Servers are asked, So request you to please define the scope of migration activities expected from the bidder for existing services and applications running on existing hardwares	Migration of legacy application is not in the scope of this Tender.	Migration of legacy application is not in the scope of this Tender.	
78	MPLS/VPN	Page No. of 2/Scope of Work/1c	Provide/ Upgrade of existing MPLS/ VPN at 15 locations.	Please provide clarification on the same. As Page No. 8 it is mentioned - "The required MPLS and IL connectivity from the TSPs shall be arranged separately and bidder need not to account for its cost."	Both Specs are contradicting , So please provide clarity on the same.	Bidder need not account for its cost	Bidder need not account for its cost	
79	Internet	Page No. of 2/Scope of Work/1e	Provide / upgrade of Internet leased line at HQ, Projects and other locations.	Please provide clarification on the same. As Page No. 8 it is mentioned - "The required MPLS and IL connectivity from the TSPs shall be arranged separately and bidder need not to account for its cost."	Both Specs are contradicting , So please provide clarity on the same.	Bidder need not account for its cost	Bidder need not account for its cost	
80	Security Breach including Data Theft/Loss/Corruption	Page No. of 37/Security /9/Security Breach including Data Theft/Loss/Corruption	Any incident where in system compromised or any case wherein data theft occurs (including internal incidents)	Request you to please remove this clause	Since the asked solution is of Network Security and no such tools, like DLP, Endpoint Protection, Host based IPS, Network behavior analysis etc has been considered in this solution. Bidder will not be able to deliver these services without adequate security tools	This is part of the Managed services to be provided by the DC/DR service provider.	This is part of the Managed services to be provided by the DC/DR service provider.	
81	Scope of Work	Page No. of 56/ Scope of Work/ Point No. F	Supply, installation, configuration, testing and commissioning of Security infrastructure like Next Generation Firewalls, Antivirus, DDOs, PIM, HIPS, IDAM, DAM, IPS/IDS, Log Servers, and Web Application Firewall etc.	Please modify the clause as - " <b>Supply, installation, configuration, testing and commissioning of Security infrastructure like Next Generation Firewalls, Log Servers, and Web Application Firewall etc. "</b>	Since other asked solution components are not part of RFP BOQ. Please remove the same.	RFP Clause will prevail	RFP Clause will prevail	

82	Scope of Work	Page No. 56/ Scope of Work/ Point No. H	Implementation and commissioning of ITSM tools for Asset management, incident, problem and change management as part of the solution. Tool proposed should be leader in Gartner quadrant and key stakeholders from NMDC should have access to the dashboards on the tool.	Since ITSM tool is not mentioned in BOQ, Please include the same in BOQ.	To avoid skipping chances of this solution components by bidders, Please mention the same in BOQ.	EMS solution includes ITSM solution as well.	EMS solution includes ITSM solution as well.	
83	Data Center and DR Co Location	Page No. 57/Technical specification of colocation and managed services	Please add	Request you to please add DR Automation, Application Performance monitoring, Data Center Management & Infra automation etc. tools for smooth operation, management and Maintenance of DC-DR sites	Since DC & DR will be installed at two different locations , Without adequate tools for maintenance , monitoring and automation and looking at the holistic solution , it will have some gaps.	As per RFP.	Not accepted Please	
84	General Requirements Colocation & Managed Services	Page No. 59/Point No. 9,10	Perform Due Diligence study and submit report for Migration of legacy applications not being covered under SAP data migration (e.g. Intranet Portal, Vigilance application etc.) at HO and Sites to DC & DR.  Perform Due Diligence Study and submit plan for Migration and support of legacy applications (e.g. HRMS/FAS/PMS/ IMS/Payroll etc.) for historical reporting for statutory requirements.	Since in clause it is mentioned to provide report /plan for SAP Data and legacy application migration. Please specify the detailed scope of work.	Please specify whether doing application migration is in bidder scope or bidder just have to coordinate with existing application vendor.	Migration of legacy application is not in the scope of this Tender.	Migration of legacy application is not in the scope of this Tender.	
85	Delivery Timelines	Page No. 13: Point No. 7	Submission of a detailed design and deployment methodology and implementation plan of execution of the project and the approval of NMDC is TO+1 Week	It Should be atleast TO + 3-4 Week	1) As it required site survey at different zones and at multiple sites for the preparation of design, and site wise BOQ. 2) Preparation of documentation with detailed drawing. 3) It also required approval from NMDC.	RFP Clause will prevail		
			Supply of DC / DR Components including hardware and Software TO + 6 Weeks			RFP Clause will prevail	RFP Clause will prevail	
			Supply of LAN / WAN Components TO + 6 Weeks			RFP Clause will prevail		
			Installation and Commissioning of DC / DR TO + 9 Weeks	It Should be atleast TO + 13	1) Hardware installation will take at least 3 weeks and application installation and optimization will take at least 4 weeks.	RFP Clause will prevail		

			Installation and Commissioning LAN/WAN, T0 + 15 Weeks	It Should be atleast T0 + 32 to 36 Weeks after all clearance and permission from concerned authority.	1) As the trenching work for OFC laying qty. is very huge i.e. 270 KM. 2) Dependancies on permissions from different-different concerned authorities. 3) Dependancies on site and weather conditions.	RFP Clause will prevail		
86	Clearances for Excavation Work	Page No. 227, Clause No.1, 1.1.2.1	The Executing Agency shall be responsible for obtaining necessary clearances for excavation work from the authorities on behalf of the Owner and provide requisite copies of information, maps, survey report etc to the authorities.	Getting clearance for Excavation work, should not be in the scope of Bidder.	1) As for most of the time permissions request made by bidder, are not entertained properly by the Govt. departments, which lead to delay.  Hence, all permission requests to any government department should be placed by through government channel only.	Entire cable laying work is within the NMDC Premises and hence approval from public authorities is not applicable. <b>RFP Clause will prevail</b>	Entire cable laying work is within the NMDC Premises and hence approval from public authorities is not applicable. <b>RFP Clause will prevail</b>	
87	Trenchless Digging	Page No. 233, Clause 1.7	Trenchless digging may be used in short section for crossing National highways, important road or rail crossings etc., where the concerned authorities do not permit open cut method, for which no additional cost shall be provided by the Employer.	1) Trenchless digging should be permitted, where there is feasibility and no issues of permissions.  2) Trenchless digging should be mentioned along with the OFC laying BOQ line items mentioned in page no. 161, or it can be a separate line item	It will help completing the OFC laying work on time.	Entire cable laying work is within the NMDC Premises and hence approval from public authorities is not applicable. <b>RFP Clause will prevail</b>	Entire cable laying work is within the NMDC Premises and hence approval from public authorities is not applicable. <b>RFP Clause will prevail</b>	
88	Controlled blasting	Page No. 229	For excavation in hard rock, controlled blasting can be resorted to. The Contractor shall obtain necessary permissions from the statutory authorities for blasting and the use of explosives for this purpose.	It might lead in the inflation of the project costing..		RFP Clause will prevail	Entire cable laying work is within the NMDC Premises and hence approval from public authorities is not applicable. <b>RFP Clause will prevail</b>	

89	Manpower Deployment List	Page No. 60	1) A list needs to be provided with resources who will be deployed on the project along with the roles and responsibilities of each resource.  2) List and number of all cloud-based resources (including but not limited to servers (VMs), storage, network components and software components) other than manpower that may be required.	Required more details on the required resource Qualification and Experience part. As in Tender there is no details available in this regard.	Required for considering the cost !!	Clause is self explanatory	Clause is self explanatory	
90	OEM Availability	Page No. 32	During implementation, IP shall ensure that <i>full time</i> team member from each OEM is available till the operational acceptance of their respective BoQ.	Need clarity on the clause, because if we need to ensure the <i>full time</i> physical presence of OEM team member, it should be the part of MAF itself.	For ensuring the availability of full time OEM team member.	RFP Clause will prevail	RFP Clause will prevail	
91	Terms of Payment (A). FOR SUPPLY ITEMS:	Page 14/ Clause 12	(i). On Placement of Order by ITI 20% of Invoice Value. (ii). On Proof of Dispatch 20% of Invoice Value (iii). On Receipt of Items at Site 30% of Invoice Value (iv). On Installation of The Equipment 20% of Invoice Value (v). On Go-Live and Operational Acceptance by NMDC 10% of Invoice Value.	(i). On Placement of Order by ITI 20% of Invoice Value. (ii). On Proof of Dispatch 20% of Invoice Value (iii). On Receipt of Items at Site 40% of Invoice Value (iv). On Installation of The Equipment 10% of Invoice Value (v). On Go-Live and Operational Acceptance by NMDC 10% of Invoice Value.		RFP Clause will prevail	RFP Clause will prevail	
92	The intending bidder must be an IT/ITES/Networking company, having an Experience of successfully executing similar nature of works as mentioned in the Scope of Work viz. setting up of DC/DR (H/W & S/W), Firewalls, active Switches, Managed Services, Backbone cabling, Setting up of W-Fi Networks, laying of WAN/LAN Networks and laying of OFC etc. during the	Page No. 3/ Eligibility Criteria (iv)	The project/projects claimed towards experience, must contain one or more elements essentially from each of the following three categories. Elements of Category (a) below, must contribute at least 30% cost of the project.	The project/projects claimed towards experience, must contain one or more elements essentially from each of the following three categories. Elements of Category (a) below, must contribute at least 30% cost of the project asked (i.e. 30% of one project of Rs. 80 Cr or 30% each of two Projects of Rs. 50 Cr or 30% each of 3 Projects of Rs. 40 Cr)		The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category ( 1 ) below,must contribute at least Rs 24 Crs cost from the project / projects,	The clause is amended as " one or more project / projects	
93	DC/DR (H/W & S/W), Firewalls, active Switches, Managed Services, Backbone cabling, Setting up of		(a) The establishment of DC/DR, Fire-walls and Managed services.	(a) The establishment of DC/DR (Which consist of Core switches, Core Routers, Load Balancer, Servers, High capacity UPS, Genset etc) , Fire-walls and Managed services.				
94	W-Fi Networks, laying of WAN/LAN Networks and laying of OFC etc. during the		(b) Active Switches, EMS and Backbone Cabling with associated IT components.	(b) Active Switches, EMS and Backbone Cabling with associated IT components.				

95	last 7 years (as on 31st March 2020) of at least following value/billing: One Project costing Rs 80 Cr OR Two projects costing Rs 50 Cr. each OR Three Projects costing Rs 40 Cr. each.		(c) Wi-Fi, P2P radio links and Laying of Underground OFC Networks.	(c) Wi-Fi, P2P radio links and Laying of Underground OFC Networks.			claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category (a) below, must contribute at least Rs 24 Crs cost from the project / projects.	
96	2. (b)		<b>2 Eligibility Criteria</b> (b). Average Annual financial turnover during the last 3 years, ending 31st March-2019 should be at least Rs. 100 Crs. Audited financial statements for the last 3 years (2016-17, 2017-18, 2018-19) to be enclosed.	We request you to amend the clause as follows:- Average Annual financial turnover during the last 3 years, ending 31st March-2019 should be at least Rs. <del>100</del> <b>200</b> Crs. Audited financial statements for the last 3 years (2016-17, 2017-18, 2018-19) to be enclosed.		RFP Clause will prevail	Clause amended as: "Average Annual financial turnover from ICT Business during the last 3 years, ending 31st March-2019 should be at least Rs. 100 Cr. Audited financial statements for the last 3 years (201617, 2017-18, 2018-19) to be enclosed. "	
97	2.(c)		<b>2 Eligibility Criteria</b> (c). The bidder should be financially strong having Positive Net worth in each of the last 3 financial years. Audited Net worth certificate for the last 3 years to be enclosed.	We request you to amend the clause as follows:- The bidder should be financially strong having Positive Net worth of <b>Rs. 25 Crs</b> in each of the last 3 financial years. Audited Net worth certificate for the last 3 years to be enclosed.		RFP Clause will prevail	RFP Clause will prevail	



98	2.(d)		<p><b>2. Eligibility Criteria</b></p> <p>(d). The project/projects claimed towards experience, must contain one or more elements essentially from each of the following three categories. Elements of Category (a) below, must contribute at least 30% cost of the project.</p> <p>(a) The establishment of DC/DR, Fire-walls and Managed services.</p> <p>(b) Active Switches, EMS and Backbone Cabling with associated IT components.</p> <p>(c) Wi-Fi, P2P radio links and Laying of Underground OFC Networks.</p>	<p>We request you to amend the clause as follows:-</p> <p>The project/projects claimed towards experience, must contain one or more elements essentially from each of the following three categories. Elements of Category (a) below, must contribute at least <b>30% INR 30crs</b> in the cost of the project</p>		<p>The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category ( 1 ) below ,must contribute at least Rs 24 Crs cost from the project / projects,</p>	<p>The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category (a) below ,must contribute at least Rs 24 Crs cost from the project / projects,</p>	
99	2.(e)		<p><b>2. Eligibility Criteria</b></p> <p>(e).IT Service &amp; Security Accreditations: The intending bidder must possess the following certifications on the date of submission of the bids:</p> <p>(a). Valid ISO 20000 Certificate</p> <p>(b) Valid ISO 27000 Certificate</p> <p>(c) Valid CMMI Level 3 or above, certificate</p>	<p>We request you to amend the clause as follows:-</p> <p>Valid ISO 14000 Certificate or ISO 20000 Certificate or Valid ISO 27000 Certificate and <b>Valid CMMI Level 3 or above Certificate</b></p>		<p>Clause modified</p>	<p>Clause modified</p>	
100	2.(f)		<p><b>2. Eligibility Criteria</b></p> <p>(f) Bidders need to quote for one of the brands of the equipment identified by the user and mentioned in the technical specs / Bill of Material. No other brand will be considered</p>	<p>Request you to leverage on the brand name to all technically complaine OEMs, such that we can submit a commercially competitive bid.</p>		<p>RFP Clause will prevail</p>	<p>RFP Clause will prevail</p>	
101	2.(f)		<p><b>2. Eligibility Criteria</b></p> <p>(f) The bidder shall submit an undertaking that they do not have any ongoing disputes on statutory levies like Income Tax, GST, Pf, ESI etc.</p>	<p>We request you to delete the clause. Or limit it to conviction for any criminal offences which is finally upheld by the highest appellate court.</p>		<p>RFP Clause will prevail</p>	<p>RFP Clause will prevail</p>	
102	2(i)		<p><b>2. Eligibility Criteria</b></p> <p>(i) Clause by Clause compliance of RFP terms &amp; conditions needs to be submitted. Noncompliance on technical specifications and offers with deviations are liable to be rejected.</p>	<p>We request you to amend the clause as mentioned below:</p> <p>Clause by Clause compliance of RFP terms &amp; conditions needs to be submitted. <del>Noncompliance on technical specifications and offers with deviations are liable to be rejected.</del></p>		<p>RFP Clause will prevail</p>	<p>RFP Clause will prevail</p>	

103	3 (h)		<b>3. Bid Submission:</b> No criminal case should be pending against the bidder anywhere in India. Selfcertification should be provided to this effect	This is construed as criminal case convicting the Bidder for any criminal offences which is finally upheld by the highest appellate court. Please confirm		RFP Clause will prevail	RFP Clause will prevail	
104	4(g) (i)		<b>4. Other Conditions:</b> (g)\Approach & Methodologies: (ii). The bidder needs to indicate it's capabilities along with the details of internal trainers to conduct onsite and offsite trainings to the team of NMDC engineers and resources deployed by ITI for the Project.	Request you to clarify that here capabilities will be meet if MSI shows their past record of conducting training.		Clause is self explanatory	Clause is self explanatory	
105	7		<b>7. Delivery period shall be as below:</b> (i). Award of LOI-- TO (ii). Submission of a detailed design and deployment methodology and implementation plan of execution of the project and the approval of NMDC --TO+1Week (iii). Supply of DC / DR Components including hardware and Software. --TO + 6 Weeks (iv). Supply of LAN / WAN Components --TO + 6 Weeks (v). Installation and Commissioning of DC / DR --TO + 9 Weeks (vi). Installation and Commissioning LAN/WAN.--TO + 15 Weeks	Based on the current scenario of COVID-19 Pandemic, there has been a major disruption in the production capacities, supply chains of the OEM's and Partners. Hence, we request you to modify the timeline as follows: (i). Award of LOI-- TO (ii). Submission of a detailed design and deployment methodology and implementation plan of execution of the project and the approval of NMDC --TO+1Week <b>3 weeks</b> (iii). Supply of DC / DR Components including hardware and Software. --TO + <b>6-Weeks 8 weeks</b> (iv). Supply of LAN / WAN Components --TO + <b>6-Weeks 12 weeks</b> (v). Installation and Commissioning of DC / DR --TO + <b>9-Weeks 25 weeks</b> (vi). Installation and Commissioning LAN/WAN. -- TO + <b>15-Weeks 32 weeks</b>		RFP Clause will prevail	RFP Clause will prevail	
106	8 (ii)		<b>8 (ii) Liquidated Damages:</b> If the delay in completion is attributable to the PIP, PIP shall be liable to pay as Liquidated damages to ITI a sum calculated @ 0.5% of the One Time Cost (supply and installation value) per week of the delay or part thereof subject to a maximum of 10% of the OTC (supply and installation value).	For optimizing our Bid, we request you to amend the clause as follows:- If the delay in completion is attributable to the PIP, PIP shall be liable to pay as Liquidated damages to ITI a sum calculated @ <b>0.5% 0.1% of the undelivered portion</b> of the One Time Cost (supply and installation value) per week of the delay or part thereof subject to a maximum of 10% of the OTC (supply and installation value).		RFP Clause will prevail	RFP Clause will prevail	
107	8 (iii)		<b>8 (iii) Liquidated Damages:</b> Once the delay touches the upper capping of the LD (10%) without any cogent reason, it will be a reason enough to start the process of rescinding the contract and get the work completed by another source/agency at the risk and cost of the PIP.	Request you to amend the clause as follows Once the delay touches the upper capping of the LD (10%), The PIP shall be invited for mutual discussion for understanding the reasons of delay, if the delayed activities are due to any reason attributable to PIP, then the same shall be mitigated by any other Third Party, then PIP shall be given an chance to negotiate with the Third Party and assist in completing the delayed activities.		RFP Clause will prevail	RFP Clause will prevail	

108	9(i)		<b>9. Bank Guarantees:</b> The LOI shall be issued to the selected bidder (PIP) on submission of a Bank Guarantee (BG) for 10% of the total contract value, valid for 18 months, towards successful commissioning of the project.	As the mention timeline of Project is 15 weeks. So in this Concurrence with timeline the PG validation is also for a <b>18 weeks</b> period. Request you to re look at this period.		RFP Clause will prevail	RFP Clause will prevail	
109	10(iii)		<b>10. Post Implementation:</b> (iii) PIP shall provide services as per the SLAs defined for various services in Annexure - IV Clause wise compliance to be provided in the technical bid. SLA penalties if any levied on ITI by NMDC, will be recovered from the PIP.	We understand that bidder is responsible for SLA solely attributable to it and hence will be penalised for the same. Hence, we request you to amend the clause as follows:- PIP shall provide services as per the SLAs defined for various services in Annexure IV. Clause wise compliance to be provided in the technical bid. SLA penalties if any levied on ITI by NMDC, will be recovered from the PIP for the <b>faults solely attributable to PIP</b> .		RFP Clause will prevail	RFP Clause will prevail	
110	12 (A)	<b>12. Terms of Payment:</b> (A). FOR SUPPLY ITEMS: (i). On Placement of Order by ITI --20% of Invoice Value. (ii). On Proof of Dispatch --20% of Invoice Value (iii). On Receipt of Items at Site-- 30% of Invoice Value (iv). On Installation of The Equipment-- 20% of Invoice Value (v). On Go-Live and Operational Acceptance by NMDC-- 10% of Invoice Value.	For enabling a better working capital for the bidder, we propose the following payment terms:- (A). FOR SUPPLY ITEMS: (i). On Placement of Order by ITI --20% of Invoice Value (ii). On Proof of Dispatch --20% of Invoice Value <b>on pro-rata weekly basis.</b> (iii). On Receipt of Items at Site-- 30% of Invoice Value <b>on pro-rata weekly basis.</b> (iv). On Installation of The Equipment-- 20% of Invoice Value <b>on pro-rata weekly basis.</b> (v). On Go-Live and Operational Acceptance by NMDC-- 10% of Invoice Value			RFP Clause will prevail	RFP Clause will prevail	
111	12(A)	On Operational Acceptance:	We understand that the procedures and tests for Operational Acceptance shall be performed by ITI/NMDC at its own cost. Kindly confirm.			Acceptance Tests for operations,all inclusive in the bid.	Acceptance Tests for operations,all inclusive in the bid.	
112	12(A)	On Operational Acceptance:	We request you to define the procedures and tests for Operational Acceptance of the Project.			As specified in the Tender and standrads in practice.	As specified in the Tender and standards in practice.	
113	12(A)	On Operational Acceptance:	We request you to confirm whether Operational Acceptance shall be provided on per location basis OR as completion of project at all locations.			OA shall be per location basis as applicable as well as completion of whole project.	OA shall be per location basis as applicable as well as completion of whole project.	
114	12 (C)	(C). For Recurring Services (i). On certification of work done on quarterly basis 100% of Invoice value	We request you to amend the clause as follows:- On certification of work done: 100% of Invoice value <b>Quarterly in 20 equal installments.</b>			RFP Clause will prevail	RFP Clause will prevail	
115	12	<b>12. Terms of Payment:</b> The Payments due, to PIP shall be released on receipt from NMDC as above, on back to back basis through an Escrow account arrangement.	We request you to clarify that the same payment terms is in concurrence with the NMDC as well. Also , request you to share the Escrow Agreement.			RFP Clause will prevail	RFP Clause will prevail	

116	13.7		<b>13 Important notes</b> ITI reserves its rights to modify, add/delete any conditions as deemed required in the RFP on a later stage and such modifications, additions/deletions shall be binding on the bidder/Supplier	As this clause doesn't follow the CVC norm. So request you to Delete this clause. Also this clause put the bidder in Huge risk and such that it may stop him to bid for this.		The clause relevant till RFP stage. No post bid changes.	The clause relevant till RFP stage. No post bid changes.	
117	17 (v)		<b>17. Defect Liability (Warranty) Period:</b> (v). In addition, PIP shall also provide an extended warranty for any such replaced or repaired component for the period of minimum 12 months. Such obligation shall be in addition to the defect liability specified under Clause hereof.	Extended DLP shall not be agreed. Please delete.		RFP Clause will prevail	RFP Clause will prevail	
118	23.3		<b>23. Termination of Services/Rescinding of Contract</b> 23.3. In the event of Termination and where the default is attributable to PIP, PIP will do migration/provide knowledge transition of solution, managed services components to service provider chosen by ITI at PIP's own cost.	Request you to amend the clause as:- In the event of Termination and where the default is attributable to PIP, PIP will do migration/provide knowledge transition of solution, managed services components to service provider chosen by ITI <b>and the cost will be bear by ITI.</b>		RFP Clause will prevail	RFP Clause will prevail	
119	23.4		<b>23. Termination of Services/Rescinding of Contract</b> 23.4. In addition to the above, if the progress of the project does not meet the agreed timelines, then ITI has the right to withdraw this LOA. In such a case, PIP shall peacefully handover all the executed portions of the BoM and other works on 'as is where basis' including all the material (hardware/software/license), documentation and all the records etc. so that implementation of IT infrastructure do not get adversely impacted. In such a situation, PIP shall not be entitled for any compensation and/or claim whatsoever. For non-performance, ITI reserves the right to en-cash the PBG and award work to alternate vendor for completion of the project at risk and cost of the PIP.	Request you to delete this clause. Because in case of delay there is separate LD penalty is there.		RFP Clause will prevail	RFP Clause will prevail	

120	27 (c )		<b>27 Award of Contract</b> (a). The work shall be awarded to the eligible and qualified bidder with the lowest quoted price (L-1) as per its price bid.	Request you to consider evaluation methodology for selecting the strongest technical proposal at the best price rather Lowest quote. Hence request you to consider the Quality-cum-Cost Based Selection (QCBS)	RFP Clause will prevail	RFP Clause will prevail	
121			<b>27 Award of Contract</b> (c). ITI reserves the right to negotiate with the L1 bidder in case the quoted price is assessed to be more than reasonable.	As this is a LCBS tender, so as per the CVC guidelines there should not be any negotiation on L-1 price. Please delete.	RFP Clause will prevail	RFP Clause will prevail	
122	33		All the consumables for the execution, testing, commissioning and support for the project will be to the PIP's account.	Request you to provide the all necessary consumable like Water, electricity during full contract period for smooth execution of project.	RFP Clause will prevail	RFP Clause will prevail	
123	35		<b>35.1. Document Submission</b> However, EMD of Rs 2.0 Crores (Rupees Two Crore only) in the form of DD/Bankers Cheque / BG has to be submitted in original only and has to reach the below mentioned officer/address /17:00 HRS(IST) on 10-06- 2020.	Request to change the due date for EMD original submission to till next day of bid submission date i.e 12-06-2020.	RFP Clause will prevail	RFP Clause will prevail	
124	Annexure-IV		<b>6. Service Level Agreements (SLA)</b> In case of 2 consecutive Quarterly SLA breach under Point c), ITI has the right to invoke the termination clause.	Termination link to SLA breach is not acceptable, you can increase the penalty. So, Request you to delete the termination associated with the SLA	RFP Clause will prevail	RFP Clause will prevail	
125	Annexure-IV		<b>Security breach including Data Theft/Loss/Corruption</b> For each breach/data theft, penalty will be levied as per following criteria. Any security incident detected INR 5 Lakhs. This penalty is applicable per incident. These penalties will not be part of overall SLA penalties cap per month. In case of serious breach of security wherein the data is stolen or corrupted, ITI reserves the right to terminate the LOI/Agreement.	As you are aware, in the increasingly connected world which is becoming highly complex to manage, cyber actors and perpetrators are constantly on the lookout of exploiting vulnerabilities in the applications, databases, operating systems and even cause harm to the system by the method of social engineering. Further, considering recent reports, the systems of large Multinational Companies, Nuclear Power Plants and other critical infrastructure with state-of-the-art cybersecurity systems are being compromised. Hence, it poses an insurmountable challenge for the bidder to anticipate all the potential causes that may lead to breach and factor the same in its proposal. Hence we request you to amend the clause as:-  For each breach/data theft, penalty will be levied as per following criteria. Any security incident detected INR 5 Lakhs <b>10,000 per day till the incident is resolved from the date of reporting. Maximum Penalty cap during SLA is 5% of the Contract Value.</b> In case of serious breach of security wherein the data is stolen or corrupted <b>due to reasons solely attributable to PIP</b> , ITI reserves the right to terminate the LOI/Agreement.	RFP Clause will prevail	RFP Clause will prevail	

126	3 (i)		<b>3. Bid Submission:</b> i. In the event of breach of contract, the entire amount of EMD/Security Deposit shall stand forfeited.	What constitutes a breach of the contract, prior to execution of the contract at pre-bid stage which would entitle ITI to forfeit the EMD? It is construed that misrepresentation in the bid documents submitted or withdrawal of the bid upon award of the contract or failure to furnish the Performance Bank Guarantee and execute the contract, upon issuance of the LOA to the bidder- shall entitle NMDC to forfeit to the EMD.		RFP Clause will prevail	RFP Clause will prevail	
127	8 (i).		PIP shall be required to complete the assigned works within the period stipulated in the RFP. In case of delay which may occur due to the reasons beyond the control of PIP, PIP would approach ITI with full details for extension and time limit for completion of the work	The following events shall necessarily be construed as beyond the reasonable control of the Bidder : a) Change order ; b) delay / disruption caused by the other contractors or representatives of NMDC; c) force majeure; d) suspension ; e)		RFP Clause will prevail	RFP Clause will prevail	
128	11 (iv)		<b>11. Billing and Payment:</b> iv. The bidder shall quote their prices on FOR destination basis. Unloading, Unpacking and transportation to the installation sites shall also be borne by the PIP.	In this process, the parties shall follow ICC Incoterms 2010.		RFP Clause will prevail	RFP Clause will prevail	
129	14		<b>14. Force Majeure</b> PIP shall not be considered in default if a delay in completion of the work occurs due to cause beyond its control such as acts of God, natural calamities, fire, strike, frost, floods, riots and acts of unsurpassed power. PIP shall notify ITI in writing within 10 days from the date of such occurrence	Please increase the number of days of notification to 15 business days since the end of the Force majeure event. Does the definition include all events related to weather & other natural calamities, acts of government, strikes, riots, epidemic, pandemic (including any on-going event), political unrest and other similar events ?		RFP Clause will prevail	RFP Clause will prevail	
130	17		<b>17. Defect Liability (Warranty) Period:</b> The defect liability period of the project shall be 12 months from the date of handing over of work (Operational Acceptance).	It is construed that the Operational Acceptance shall be deemed achieved if the works are put to use. Further, the Bidder shall hand over the site post completion of the works and the Company/ITI shall issue an Operational Acceptance certificate within 10 days or shall be deemed achieved on such 10th day. The DLP shall commence for the works from the date of achievement of the Operational Acceptance. In case of partial use, the DLP for such partial works shall commence from the partial operational acceptance.		RFP Clause will prevail	RFP Clause will prevail	
131	18		<b>18. Arbitration:</b> Such demand for Arbitration shall be delivered to the Company by the Bidder / Supplier and shall specify the matters which are in question, dispute or difference and such disputes or difference of which the demand has been made and no other matter shall be referred to arbitration.	Does the arbitration proceedings be initiated for any claims/disputes over the claims of NMDC/Company? Further, the arbitration proceedings shall be conducted by a panel of three arbitrators, each party appointing its nominee and the two nominees shall appoint the third presiding arbitrator.		RFP Clause will prevail	RFP Clause will prevail	
132	20		<b>20. Sub Contracts</b> The Bidder / PIP shall not assign or sub-contract the whole or any part of the work awarded to it, without the prior written approval of ITI.	We request you to allow subcontracting of works i.e. Cable Laying, Trenching, Digging, Configuration etc.		RFP Clause will prevail	RFP Clause will prevail	

133	22		<b>22. Confidentiality:</b> except that each Party may disclose Confidential Information to its professional advisors or auditors to the extent necessary	The exceptional persons to whom the information may be disclosed on need-to-know basis shall include employees, subcontractors, vendors.		RFP Clause will prevail	RFP Clause will prevail	
134	23.4.		<b>23. Termination of Services/Rescinding of Contract:</b> In addition to the above, if the progress of the project does not meet the agreed timelines, then ITI has the right to withdraw this LOA. In such a case, PIP shall peacefully handover all the executed portions of the BoM and other works on 'as is where basis' including all the material (hardware/software/license), documentation and all the records etc. so that implementation of IT infrastructure do not get adversely impacted. In such a situation, PIP shall not be entitled for any compensation and/or claim whatsoever. For non-performance, ITI reserves the right to encash the PBG and award work to alternate vendor for completion of the project at risk and cost of the PIP.	Any of the events entitling termination of the contract and/or LOA by ITI, must be with prior written notice of the default event to PIP and PIP shall be given 45 business days to rectify/remedy the breach notified. If PIP fails to take steps to remedy the default notified, then the ITI shall have write to terminate with notice. PIP shall be entitled to release of payments towards works performed until the effective date of termination. Any disputed payments shall be released subject to the resolution through the dispute resolution process as per this Agreement.		RFP Clause will prevail	RFP Clause will prevail	
135	General	Termination		Please confirm that the PIP shall have an option to terminate or suspend the contract, in the event: a) the ITI fails to comply with its obligations under this contract and act in accordance therewith including non payment for the works performed; b) ITI suspends the works for more than 50 days for any reasons other than for notified breach of the contract by PIP as per Clause 20.; c)become insolvent or the project stands cancelled by NMDC. In such case of termination, the PIP shall be entitled to payment for works performed till effective date of termination, release of the securities including the PB/EMD.		RFP Clause will prevail	RFP Clause will prevail	
136	5- EMD BG Format		(i). ITI and/or its officers, employees disclaim all liability from any loss or damage, whether foreseeable or not, suffered by any person acting on or refraining from acting because of any information including statements, information, forecasts, estimates or projections contained in this document or conduct ancillary to it whether or not the loss or damage arises in connection with any omission, negligence, default, lack of care or misrepresentation on the part of ITI and/or any of its officers, employees.	Notwithstanding anything contain elsewhere in the Contract, in any case whatsoever Contractor's maximum liability under the Contract shall not exceed 5% of Contract Price. Neither Parties shall be liable for any consequential losses, punitive, indirect and remote damages shall be excluded.		RFP Clause will prevail	RFP Clause will prevail	

137	Annexure-V Non-Disclosure Agreement		(b) The guarantee shall stand completely discharged and all rights of the IT under this Guarantee shall be extinguished if no claim or demand is made on us in writing on or before its validity date.	the EMD security shall expire once the PBG is given by the successful bidder or the expiry of bid validity for unsuccessful bidders. Please stipulate the expiry date of the EMD when issued.		RFP Clause will prevail	RFP Clause will prevail	
138	Annexure-VIII Non-Disclosure Agreement		Company is liable for: 2.2.1. its loss or its unauthorized disclosure of Confidential Information, and 2.2.2 any loss or unauthorized disclosure of Confidential Information by any person that Company may disclose and has disclosed Confidential Information to under this Agreement	The loss of confidential information under its direct control- shall only make the Bidder liable under this Clause. Kindly confirm.		RFP Clause will prevail	RFP Clause will prevail	
139	Annexure-VIII Non-Disclosure Agreement		Any models, computer programs, documents and other instruments containing Confidential Information remain XXX's property. Company shall at its own cost return or destroy any such instruments or its copies at XXX's request.	The receiving Party shall retain a copy retained for legal/ archival purposes		RFP Clause will prevail	RFP Clause will prevail	
140	Annexure-VIII Non-Disclosure Agreement		This Agreement terminates Five (5) years after the date both Parties signed it or earlier, if it is superseded by stipulations of any future agreement between the Parties for the Project or if the Parties decide to end the Project. Notwithstanding the above, the rights and obligations set forth in this Agreement which have accrued prior to termination shall survive the termination or earlier expiration of this Agreement for a period of five (5) years.	The term of this Agreement for unsuccessful bidders shall expire on the bid expiry date or date of award of issue of LOA to successful bidder, whichever is earlier.		RFP Clause will prevail	RFP Clause will prevail	
141	Annexure-VIII Non-Disclosure Agreement		Accordingly, XXX hereby expressly waive, release and forego any and all actions or claims, including cross claims, impleader claims or counter claims against the Government of India arising out of this contract and covenants not to sue the Government of India as to any manner, claim, cause of action or thing whatsoever arising of or under this NDA.	We request you to delete the clause.		RFP Clause will prevail	RFP Clause will prevail	
142	Annexure-IX PRE-CONTRACT INTEGRITY PACT		5.3 The decision of the BUYER to the effect that a breach of the provisions of this Pact has been committed by the IP shall be final and conclusive on the IP. However, the IP can approach the Independent Monitor(s) appointed for the purposes of this Pact	The Authority shall exercises its rights under this clause if the Bidder has failed despite notification of show-cause for the default of the Integrity Pact committed by it and the IEM has conducted its enquiry and finds that the Bidder is at breach of the IP.		RFP Clause will prevail	RFP Clause will prevail	



143	Annexure-IX PRE-CONTRACT INTEGRITY PACT		8 Law and Place of Jurisdiction 8.1 This Pact is subject to Indian Law. The place of performance and jurisdiction is the seat of the BUYER	The seat shall be Bengaluru. Kindly confirm.		As per Mou with ITL.	As per Mou with ITL.	
144			General	Please provide clarity on the EB supply availability, DG and transformer for other than DC & DR site.		NMDC shall provide Power supply.	NMDC shall provide Power supply.	
145			General	We understand that uninterrupted power supply and proper earthing greeed inside of communication room to connect the Racks earthing bus bar and all other equipment's for grounding will be provided by Customer. Please confirm.		earthing and lightning arrestor is with in the scope of this Tender.	Feathering and lightning arrestor is with in the scope of this Tender.	
146			General	We understand that all civil work will be done by customer. Please confirm.		As per RFP.	As per RFP.	
147			General	We understand anything require to implement the solution such as DNS, DHCP, NTP, SLB/GSLB etc. will be provided by Customer else include in BOQ		As per RFP.	As per RFP.	
148	X16		General	There is no any specification or requirement found in RFP for earthing pit-earthing strip or Earthing system. As per our understanding department will arrange the proper earthing greeed till the inside of communication room to connect the Racks earthing bus bar and all other equipment's for grounding. Please correct if our understanding is wrong.		earthing and lightning arrestor is with in the scope of this Tender.	Feathering and lightning arrestor is with in the scope of this Tender.	
149	1.5. WiFi		Point-to-Multipoint Radio for 5 network zones for Wi-Fi coverage(50m radius) at Weighbridges at KS-2 mines (for <b>budgetary pricing only</b> )	We understand that the BOQ associated with the Table is for budgetary pricing and shall not be part of Total Contract Value. Kindly confirm.		it will not be part of contract value and will not be part of evaluation	It will not be part of contract value and will not be part of bid evaluation	
150	1.1 Clearances		The Owner/Employer shall furnish all required bank guarantees and make payments to the concerned authorities directly based on the demand letter obtained by the Contractor from the concerned authorities.	We understand that NMDC shall be the Employer. The Right of way and Reinstatement charges shall be in the scope of NMDC. Kindly confirm		All works to be performed within NMDC Premises and hence this is not Not Applicable.	All works to be performed within NMDC Premises and hence this is Not Applicable.	
151	1.1 Clearances		the Contractor shall propose an alternate route, promptly carry out the survey and submit specific survey report for that and reapply for clearance after taking into account the comments/objections of the authority	We understand that contractor is RFP, the variation in the scope due to change of route shall be treated as change order and shall be reimbursed by NMDC.		Payment shall be made as per the actual quantity consumed and work executed.	Payment shall be made as per the actual quantity consumed and work executed.	
152	1.5 Reinstatement		The Executing Agency shall be required to carry out reinstatement of the excavated area in case the concerned authority requires so. Reinstatement shall include all works necessary (such as reconstruction of metalled/asphalt road, footpath etc) to restore the excavated area to original quality and shape.	The estimation of Re instatement in bidding stage will result in inaccurate measurements as the estimation involves many Assumptions. Hence, request you to consider the cost of Re instatement in NMDC scope. The RI shall be reimbursed on submission of invoices on pro rata basis.		All works to be performed within NMDC Premises and hence this is not Not Applicable.	All works to be performed within NMDC Premises and hence this is Not Applicable.	

153	1.6 Underground Fibre Optic Cable Installation		The Contractor shall indemnify the Owner/Employer for all the damages and the Contractor shall be solely responsible for the damages and losses. The Owner/Employer shall not be liable for any such damages.	We request NMDC to consider PIP to be liable for only those damages which are caused by PIP performance. PIP shall not be liable to any damages caused by third party. Hence request you to amend the clause as mentioned below: The Contractor shall indemnify the Owner/Employer for all the damages and the Contractor shall be solely responsible for the damages and losses occurred due to the performance of PIP. <del>The Owner/Employer shall not be liable for any such damages.</del>		RFP Clause will prevail	RFP Clause will prevail	
154	Section A: Optical Fibre Laying 1.2.1		<b>Section A: Optical Fibre Laying</b> <b>1.2.1 Excavation</b> For excavation in hard rock, controlled blasting can be resorted to. The Contractor shall obtain necessary permissions from the statutory authorities for blasting and the use of explosives for this purpose. No blasting is permitted near permanent work or dwellings.	Request you to amend the clause as " the statutory clearance will be provide by NMDC from each authorities of respective site ,MSI will help in all kind of documentary work".		RFP Clause will prevail	RFP Clause will prevail	
155	Annexure-X		It is certified that our firm/company or any of our entity is not black listed/Debarred from doing business or put on holiday list etc by any Govt. Organization / PSUs for any reason. However, if we fail to complete the awarded work / fulfill the RFP conditions, ITI Ltd shall be free to take action / black list our firm / company."	We request ITI to amend the clause as mentioned below for competitive participation: It is certified that our firm/company or any of our entity is not black listed/Debarred from doing business or put on holiday list etc by any Govt. Organization / PSUs for any reason. However, if we fail to complete the awarded work / fulfill the RFP conditions, ITI Ltd shall be free to take action / <del>black list our firm</del> / company."		RFP Clause will prevail	RFP Clause will prevail	
156	Annexure-IX PRE-CONTRACT INTEGRITY PACT		In case any such preceding misconduct on the part of such official(s) is reported by the IP to the BUYER with full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, including criminal proceedings may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process.	We request you to delete the clause.		RFP Clause will prevail	RFP Clause will prevail	
157		General		We request you to confirm whether Bidder needs to supply material to a central location proposed by ITI/NMDC for inspection of receipt of materials OR to individual site locations as proposed by NMDC/ITI.		Delivery shall be at individual locations and Factory Acceptance Test/ Pre-dispatch inspection/ inspection at site will be done as the case may be and shall be finalised with Successful Bidder.	Delivery shall be at individual locations and Factory Acceptance Test/ Pre-dispatch inspection/ inspection at site will be done as the case may be and shall be finalised with Successful Bidder.	

158		General	We understand that NMDC/ITI shall provide Warehouse with Security for the safekeeping of materials. Kindly confirm.		Storage location will be provided at Site stores, however safety and security of the material lies with the bidder.	Storage location will be provided at Site stores, however safety and security of the material lies with the bidder.	
159		General	In order to have better working capital for the project we propose an Assignment clause as below to be included in the Payment Schedule, which shall allow us to factor the bill with financing institution, and therefore enable us to manage our fund requirements for execution of the project, we request you to accept the same. <b>Assignment Clause (new Clause proposed) :</b> “The Contractor shall not, without the express prior written consent of the Employer, assign to any third party the Contract or any part thereof, or any right, benefit, obligation or interest therein or there under, except that the Contractor shall be entitled to assign either absolutely or by way of charge any monies due and payable to it or that may become due and payable to it under the Contract to any Financial Institution(s) or Bank(s) or NBFC(s). In the event the Contractor assigns the monies due and payable to it or that may become due and payable to it, under the Contract, to any Financial Institution(s) or Bank(s) or NBFC(s), the Employer shall acknowledge the intimation letter it may receive from such financial institution(s) or Bank(s) or NBFC (s). If the Employer does not reply within 15 days of the receipt of the intimation letter, it can be considered as “acknowledged by the Employer”. Furthermore the Employer will provide an indicative date by when the funds will be released to the Contractor as a measure of comfort for the decisions of Financial Institution(s) or Bank(s) or NBFC(s)”.		RFP Clause will prevail	Not accepted Please	
160		General	Please provide functional requirement for Non-IT component in the RFP.		As per RFP.	As per RFP.	
161		General	Please provide clarity on the EB supply availability, DG and transformer for other than DC & DR site.		NMDC shall provide Power supply.	NMDC shall provide Power supply.	
162	Annexure-VII (UPS)	General	15 Locations We understand that the backup power supply (only UPS) is asked only for 5 location i.e <b>Bachelil, Kirandul, Donimalai, Panna and Palondra</b> , please clarify how UPS requirement for other sites will be achieved. Also space, cooling, furniture, civil & interior, lighting, security system like CCTV, Access control system, fire detection & suppression, and other necessary accessories if required will be provided by purchaser/Customer. Please clarify.		As per RFP.	As per RFP.	
163	Annexure-VII (UPS)	General	We understand anything require to distribute the power will be provided by Customer else include in BOQ.		As per RFP.	As per RFP.	
164		General	We understand that all civil work will be done by customer. Please confirm.		As per RFP.	As per RFP.	

165	1. Scope of Work:	(i). Slices of Wi-Fi zones (Indoor/outdoor) at HO, Projects and other locations, to cater to data needs of current and future requirements of NMDC.	We understand that (Indoor/outdoor) RF Coverage aspects is already considered and Bidder is not responsible for any coverage issue / drak zones. Bidder has to proposed the qty as per SOR only., Kindly confirm?		Successful bidder shall conduct RF study and propose the coverage solution. Payment shall made as per the actual quantity consumed and work performed.	Successful bidder shall conduct RF study and propose the coverage solution. Payment shall made as per the actual quantity consumed and work performed.	
166	1. Scope of Work:	(i). Slices of Wi-Fi zones (Indoor/outdoor) at HO, Projects and other locations, to cater to data needs of current and future requirements of NMDC.	IP Schema for the WAN infrastructure will be provided by the user/Purchaser/End customer		Shall be discussed with Successful Bidder.	Shall be discussed with Successful Bidder.	
167	1.1 Scope of work	Any required version/Software /Hardware upgrades, patch management etc. will be supported by the implementation partner for the entire contract period at no extra cost to ITI.	Kindly include patch Management Solution in BOQ line item.		RFP Clause will prevail	RFP Clause will prevail	
168	6. Service Level Agreements (SLA)	In case of serious breach of security wherein the data is stolen or corrupted, ITI reserves the right to terminate the LOI/Agreement. For each breach/data theft, penalty will be levied as per following criteria. Any security incident detected INR 5 Lakhs.	Request to remove the termination clause beacause the severity of the incident is not mentioned. Also Kindly change the penalty of INR 5 lakhs per detected incident to INR 10,000 per day for delay in response.		RFP Clause will prevail	RFP Clause will prevail	
169	6. Service Level Agreements (SLA)	95% to be resolved within 1 hour	Resoving 95% security incident within an hour is practically challenging. Request you to revist the same and change it		RFP Clause will prevail	RFP Clause will prevail	
170		General	"The critical security incident shall be contained within 4 hours after detection"		As per RFP.	As per RFP.	
171	SLA & DELIVERY QUERIES SLA	SLA Page# 34; (6)	Availability/ Uptime of each server at DC/DR	As each of the HW has been provisioned with HA at each level we request you to change the specs " Availability/ Uptime of each cluster at DC/DR "	RFP Clause will prevail	RFP Clause will prevail	
172	Delivery	Supply of DC / DR Components including hardware and Software. 6 Weeks	Supply of DC / DR Components including hardware and Software. 8-10 Weeks		RFP Clause will prevail	RFP Clause will prevail	
173	Delivery Timeline Page# 13; (7. (iii))	Supply of DC / DR Components including hardware and Software. 6 Weeks	Supply of DC / DR Components including hardware and Software. 8-10 Weeks		RFP Clause will prevail	RFP Clause will prevail	

174	Page# 2, Date of Submission	Due Date for Submission of RFP is 11/06/2020	As you might be aware of the current situation of rapid spread of coronavirus, there are certain guidelines which have been issued by the government to contain the spread of COVID-19. Due to this, employees of our company, partners and OEMs are working from home and have travel restrictions for meetings are in place. We hereby submit our request for extending the bid submission deadline from the current date of bid submission to 25th June, 2020 for preparation and submission of technical and commercially responsive bid.		RFP Clause will prevail	Date of submission, as notified on website	
175	1. Scope of Work, Pg 2	Establishment of a DC and DR (on Co-location basis at MeitY Empowered Service Providers) to host the Applications of NMDC	We request that the wordings of the clause be modified as Establishment of a DC and DR (on Co-location basis <b>BY</b> MeitY Empowered Service Providers) to host the Applications of NMDC		RFP Clause will prevail	Co-location services to be provided by DC/DR service provider including caging, space, Power, Cooling, Physical Security etc. DC will be in Hyderabad and DR in another seismic zone from the same service provider.	
176	2. Eligibility Criteria, Pg 3	The intending bidder must be an IT/ITES/Networking company, having an Experience of successfully executing similar nature of works as mentioned in the Scope of Work viz. setting up of DC/DR (H/w & S/w), Firewalls, active Switches, Managed Services, Backbone cabling, Setting up of Wi-Fi Networks, laying of WAN/LAN Networks and laying of OFC etc. during the last 7 years (as on 31st March 2020) of at least following value/billing: One Project costing Rs 80 Cr OR Two projects costing Rs 50 Cr. each OR Three Projects costing Rs 40 Cr. each.	We request to amend the clause as below The intending bidder must be an IT/ITES/Networking company, having an Experience of successfully setting up of DC/DR, . during the last 7 years (as on 31st March 2020) of at least following value/billing: One Project costing Rs 80 Cr OR Two projects costing Rs 50 Cr. each OR Three Projects costing Rs 40 Cr. each.		RFP Clause will prevail	The clause is amended as "one or more project / projects claimed towards experience must cover one or more elements essentially from each	

			The project/projects claimed towards experience, must contain one or more elements essentially from each of the following three categories	Further to above amendment, we request that bidder should be allowed to showcase category wise experience containing one or more elements essentially from each mentioned criteria through separate POs.		The clause is amended as " one or more project / projects claimed towards experience must cover one or more elements essentially from each of the following three categories. Elements of category ( 1 ) below, must contribute at least Rs 24 Crs cost from the project / projects,	
177	7. Delivery period, Pg 13		Supply of DC / DR Components including hardware and Software. TO + 6 Weeks	Kindly amend the delivery / installation timelines as Supply of DC / DR Components including hardware and Software. TO +12 Weeks		RFP Clause will prevail	
			Supply of LAN / WAN Components TO + 6 Weeks	Supply of LAN / WAN Components TO + 12 Weeks		RFP Clause will prevail	
			Installation and Commissioning of DC / DR TO + 9 Weeks	Installation and Commissioning of DC / DR 10 Weeks after completion of delivery at DC / DR		RFP Clause will prevail	
			Installation and Commissioning LAN/WAN. TO + 15 Weeks	Installation and Commissioning LAN/WAN. 15 Weeks post delivery of LAN / WAN		RFP Clause will prevail	
178	8. Liquidated Damages, Pg 13		If the delay in completion is attributable to the PIP , PIP shall be liable to pay as Liquidated damages to ITI a sum calculated @ 0.5% of the One Time Cost (supply and installation value) per week of the delay or part thereof subject to a maximum of 10% of the OTC (supply and installation value).	We request to amend the LD clause as Liquidated damages to ITI a sum calculated @ 0.5% of the One Time Cost (supply and installation value) per week of the delay or part thereof subject to a maximum of 5% of the OTC (supply and installation value).		RFP Clause will prevail	RFP Clause will prevail
179	12. Terms of Payment: Pg 14		On Receipt of Items at Site - 30% of Invoice Value	We request to amend the payment terms for following line items as		RFP Clause will prevail	
			On Receipt of Items at Site - 40% of Invoice Value	On Receipt of Items at Site - 40% of Invoice Value		RFP Clause will prevail	
			On Installation of The Equipment - 20% of Invoice Value	On Installation of The Equipment - 10% of Invoice Value		RFP Clause will prevail	
			On Go-Live and Operational Acceptance by NMDC - 10% of Invoice Value	On Go-Live and Operational Acceptance by NMDC - 10% of Invoice Value		RFP Clause will prevail	RFP Clause will prevail
			Note: For Item No.(i), Payment shall be released, against submission of Bank Guarantee for equivalent amount valid for a period of 6 Months.	Bidder is already submitting 10% PBG of OTC . Hence additional PBG for any advance payment should not be applicable.		RFP Clause will prevail	

180	BOQ		Detailed BOQ for all IT / Software/ NON IT components	For defined BOQ, bidder should not be held responsible for shortfall in any IT Hardware / software during implementation of complete solution including performance and scalability.		RFP Clause will prevail	RFP Clause will prevail	
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