DIRECTORATE GENERAL OF HYDROCARBONS
(Ministry of Petroleum & Natural Gas)
OIDB Bhawan, Plot No. 2, Sector 73, Noida -201 301.
Phone: +91-120-2472000 Email: mm@dghindia.gov.in

Corrigendum No. 1 to tender no. MM-14/11/2018-DGH/ENQ-126 for Supply, installation, and commissioning of LAN Devices.

This corrigendum is issued to extend Bid Closing Date, to amend technical specifications along with DGH's response to pre bid queries as under:

	In lieu of	Revised
Bid Closing Date	11.10.2018	18.10.2018

Clarifications against bidders queries and amendment to technical specifications

Slno	Section / Clause No.	Item No	Existing Clause	Clarification Sought/ Justification	DGH's Response	Amended Clause
Queries from M/s. CSS Computers Pvt Ltd						
1	Table A -Item#1 - Clause 3	Item#2 48 Port Access Switches - Qty 18	Switch should have one dedicated slot for stacking and should support minimum 80 Gbps of stacking	80Gbps Stacking is OEM specific. The Switch to Switch communication in Access Layer is much less. The uplink is only 1 Gbps hence having 80Gbps stacking BW doesn't give any functional benefit. Request to change to 40Gbps	Clause amended to bring more clarity	Switch should have one dedicated slot for stacking and should support minimum 80 Gbps of stacking dedicated slot, apart from uplink and downlink.
2	Table A - Item#2 -Clause 2		Switch shall have minimum 210 Gbps of switching capacity	The port requirement asked in the RFP is 48x1G + 4x1G . For switch to work on Non blocking mode you require 110 Gbps (52x2)	Clause amended	Switch shall have minimum 104 Gbps of switching throughput and 107 Mpps of forwarding rate.
3	Table A - Item#2 -Clause 5		Switch shall have Layer 2 trace route for ease of troubleshooting by identifying the physical path that a packet takes from source to destination	Please remove this clause as its OEM Specific	Not Agreed, To be guided by relevant tender clause only.	NA

Queries from M/s. JIL Information Technology Pvt Ltd						
1	Table A -Item#1 - Clause 1	Item#1 : Gigabit Layer 3 Chassis Switch – Qty 2	> Modular Min 10 Slot Chassis > Loaded with redundant Controller/routing engine cards of Switching Fabric with minimum 920 Gbps each running in Active Active Mode > Minimum 48*10/100/1000-Base-T ports > Minimum 12*1G SFP ports and minimum 4 10G SFP+ interfaces > 1G SFP ports should be loaded with 1Gbps SFP MMD based on design requirement. > Should be equipped with dual internal redundant power supplies for higher availability	1) No. of slots shall be changed to 8 2) 1G Modules shall be changed to 1G/10G for future scalability because this is a Core Switch	1) Agreed for Amendment 2)Not Agreed, To be guided by relevant tender clause only.	> Modular Min 7 Slot Chassis *NO CHANGE in Other sub-points*
2	Table A - Item#2 -Clause 1	Item#2 : 48 Port Access Switches – Qty 18	> Shall be 1 RU, 19" Rack Mountable > Switch should have minimum 48 nos. 10/100/1000 Base-T ports with additional 4 nos. SFP uplink ports > At least 1 SFP uplink port should be loaded with requisite 1000BASE-SX SFP transceiver module > Switch should have one dedicated slot for stacking and should support minimum 80 Gbps of stacking bandwidth with dedicated stacking ports and cables with minimum 8 switches in stack from day 1. > Switch should support internal/external redundant power supply.	Uplink ports shall be 1G/10G for future scalability	Not Agreed, To be guided by relevant tender clause only.	NA

3	Table A - Item#2 -Clause 2		> Switch shall have minimum 210 Gbps of switching throughput and 107 Mpps of forwarding rate. > Shall have minimum 16K MAC Addresses. > Shall have minimum 1000 Active VLANs and 4,000 VLAN Ids support	Switching Capacity should be 176 Gbps (48 giga) plus 80 Gbps stacking = 256 Gbps or more	Clause amended	> Switch shall have minimum 104 Gbps of switching throughput and 107 Mpps of forwarding rate. *NO CHANGE in other sub-points*
Queries from M/s. Dell EMC						
1	Table A -Item#1 - Clause 1	Core switch	· Modular Min 10 Slot Chassis	Kindly allow chassis or Stackable solution	Clause amended	1) Modular Min 07 Slot Chassis
			· Loaded with redundant Controller/routing engine cards of Switching Fabric with minimum 920 Gbps each running in Active Active Mode	Kindly allow chassis or Stackable solution	Not Agreed, To be guided by relevant tender clause only.	NA
			· Minimum 12*1G SFP ports and minimum 4 10G SFP+ interfaces	Kindly asked SFP+ ports	Not Agreed, To be guided by relevant tender clause only.	NA
2	Table A -Item#1 - Clause 3	Core switch	· Should support sub 50ms ring resiliency as per REP/ERPS / IEEE 802.17/RRPP or equivalent to ensure no impact on video traffic during any failure across the network	Kindly modify clause as "Should support sub 150ms ring resiliency as per REP/ERPS / IEEE 802.17/RRPP or equivalent to ensure no impact on video traffic during any failure across the network	Clause amended	Should support sub 50ms Per ring resiliency as per REP/ERPS / IEEE 802.17/RRPP or equivalent to ensure no impact on video traffic during any failure across the network
3			· Should support RIP v2, RIPng,OSPFv2 support for routed access,OSPFv3 instance support for at least 200 learned routes, PIM-SM, PIM-DM,PIMv6-SM, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v,IEEE 802.3ac, Voice VLAN, LLDP-MED,IEEE 802.1D MAC bridges, IEEE 802.1s (MSTP), IEEE 802.1w (RSTP),VRRP v3	Kindly modify clause as " Should support RIP v2, RIPng /OSPFv2 support for routed access,OSPFv3 instance support for at least 200 learned routes, PIM-SM/ PIM-DM,PIMv6-SM, IEEE 802.1ad, IEEE 802.1Q, IEEE 802.1v,IEEE 802.3ac, Voice VLAN, LLDP-MED,IEEE 802.1D MAC bridges, IEEE 802.1s (MSTP), IEEE 802.1w (RSTP),VRRP v3	No change;	NA

4	Table A -Item#2 - Clause 4	Access Switch	· IPv6 First Hop Security.	· IPv6 First Hop Security or equivalent.	Clause ammended	IPv6 First Hop Security or equivalent.
5	Table A -Item#2 - Clause 5	Access Switch	· Configuration and management through the CLI, GUI, console, Telnet and SSH	· Configuration and management through the CLI, NMS GUI, console, Telnet and SSH	No change; To be guided by relevant tender clause only.	NA
			· Port Aggregation Protocol (PAgP) and Dynamic Trunking Protocol (DTP) or equivalent.	· Port Aggregation Protocol (PAgP) or Dynamic Trunking Protocol (DTP) or equivalent.		NA
6	NOTES	Switches	· The OEM of supplied hardware should be leader in the Gartner quadrant report, for wired and wireless networks.	Kindly remove this clause	Not Agreed, To be guided by relevant tender clause only.	NA
Queries from M/s HP Enterprise						
1	Table A -Item#1 - Clause 3	Core switch	Features ->Should support sub 50ms ring resiliency as per REP/ERPS / IEEE 802.17/RRPP or equivalent to ensure no impact on video traffic during any failure across the network	All OEM have different technologies to provide redundancy, Also ERPS convergence time depends upon numbers of nodes in ring and type if data travels in the ring. Hence request you to please change "Should support sub 100ms ring resiliency as per REP/ERPS / IEEE 802.17/RRPP or equivalent to ensure no impact on video traffic during any failure across the network" so that leading OEM can participate in the same.	Clause amended	Should support sub 50ms Per ring resiliency as per REP/ERPS / IEEE 802.17/RRPP or equivalent to ensure no impact on video traffic during any failure across the network

2	Table A - Item#1 - Clause 7	Core switch	Management->An External memory card / USB or equivalent, allowing switch firmware, configurations to be stored for backup and distribution to other switches	ALL OEM have different flash requirement to RUN and the OS installed in the switch, However, in General chassis switch doesn't have an option of USB or external drive to store flash or SW, They are generally store in Internal flash/NMS server if required. Hence request you to please delete this clause so that leading OEM can participate.	Clause amended	Facility allowing switch firmware, configurations to be stored for backup and distribution to other switches
3	Table A - Item#2 - Clause 2	Access Switch	Performance Requirements -> For 48Port 1G and 4 SFP switch 210 throughput demand is very high it should be 48*2gbps(Full duplex) =96Gbps and 4*2Gbps=8 Gbps Hence total capacity is 104Gbps. Request you to please change this to "Switch shall have minimum 104 Gbps of switching throughput and 77 Mpps of forwarding rate" hence.		Clause amended	Switch shall have minimum 104 Gbps of switching throughput and 107 Mpps of forwarding rate.
4	Table A - Item#2 - Clause 4	Access Switch	QoS Requirements & Security Features -> IPv6 First Hop Security.	Request you to please change the same to "IPv6 First Hop Security or equivalent" as we call it by some other name.	Clause amended	IPv6 First Hop Security or equivalent.