

S.No	RFP Document Reference(s) PageNumber)	RFP Document Reference(s) (Section)	Clause (in brief) of RFP requiring clarification(s)	Brief details/ Query in reference to the clause	Response
1	13	Experience Criteria	Bidder should have executed two projects in the last 3 Years.	Projects executed in the last 7 Years may be considered for eligibility.	Please refer to the revised eligibility criteria
2	13	Minimum Elig Criteria	The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	Request LIC to modify the clause as mentioned below The Bidder should have executed two orders of Rs.20-Crore Rs. 8 Crore each, in any of the last three five financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three five financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	Please refer to the revised eligibility criteria
3	13	Minimum Eligibility Criteria (MEC):Experience Point Number 4	The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	Request you to change it to The Bidder should have executed two orders of Rs. 5 crores each, in any of the last FIVE financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments/ Enterprise Private Customers in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last FIVE financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	Please refer to the revised eligibility criteria
4	13	Section-B	The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	The Bidder should have executed two orders of Rs. 5 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments/ Enterprise in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN/ SDWAN as one of the components of the various networking equipments.	Please refer to the revised eligibility criteria
5	13	Section-B: ELIGIBILITY CRITERIA: 1)Minimum Eligibility Criteria (MEC):	The bidder shall be a system integrator (SI) for Networking software and equipment such as SDN, Data Centre switches; campus switches, operating since last three financial years. Such System integrators should have back-to-back support with the respective OEM and should not be a mere reseller.	We understand PPP-MII Order is duly applicable on the tender. As per Clause 10 of the PPP-MII Order, the eligibility conditions shall not be restrictive to exclude the Class-I and Class-II OEMs. The current clause in conjunction with Clause 4. is restrictive as it ensures that only existing SIs/ OEMs become eligible to participate eliminating domestic OEMs. We request to amend the clause as, "The bidder shall be a system integrator (SI) for Networking software and equipment such as SDN, Data Centre switches; campus switches, Networking switches, operating since last three financial years". Kindly confirm.	Please refer to the revised eligibility criteria

6	13	Section-B: ELIGIBILITY CRITERIA: 1)Minimum Eligibility Criteria (MEC):	Experience: - 4. The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	We understand PPP-MII Order is duly applicable on the tender. As per Clause 10 of the PPP-MII Order, the eligibility conditions shall not be restrictive to exclude the Class-I and Class-II OEMs. The current clause in conjunction with Clause 2. is restrictive as it ensures that only existing SIs/ OEMs become eligible to participate eliminating domestic OEMs. We understand LIC wants to ensure bidder/ OEM has the capability to support the network technology and has the relevant experience to undertake the work as outlined in the RFP. However, the clause of being specific on bidder of the proposed OEM with specific product of SDN is restrictive and discriminatory. We request you to amend the clause as, "Experience: - 4. The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments/ Telecommunication companies in India. Purchase Orders for supply, installation and maintenance of Network equipments in the last three financial years immediately preceding the date of this RFP are to be furnished." Kindly confirm.	Please refer to the revised eligibility criteria
7	13	Section-B: ELIGIBILITY CRITERIA: 1) Minimum Eligibility Criteria (MEC):	The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	Since last two year has been effected by Covid -19 pandemic with little or no business activities, the clause is requested to be modified as: The Bidder or bidder's parent company (incase, bidder is wholly owned subsidiary of the parent company) should have executed two orders of Rs. 20 crores each, in any of the <u>last Five financial years</u> for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last <u>Five financial years</u> immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	Please refer to the revised eligibility criteria .
8	13	Section-B: ELIGIBILITY CRITERIA- Experience-Point 4	The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	The Bidder should have executed two orders of Rs. 20 crores each, in any of the last Seven financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments/IT Infrastructure , in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments. We request you ask the experience of seven years with IT infrastructure and to remove the proposed oem clause.	Please refer to the revised eligibility criteria
9	13	Section-B: ELIGIBILITY CRITERIA-Other Documents Requirements- Point 7	The proposed OEM switches should have been installed in atleast 500 locations in one PSU/BFSI in the last three years preceding the date of this RFP.	The switches should have been installed in atleast 500 locations in one PSU/BFSI in the last Seven years preceding the date of this RFP.	Please refer to the revised eligibility criteria

10	13	EXPERIENCE	Experience The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	You are requested to please amend the clause as per below. The Bidder / OEM should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments	Please refer to the revised eligibility criteria
11	13	1) Minimum Eligibility Criteria (MEC):	4. The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	Request LIC to consider this clause as "The Bidder should have executed two orders of Rs. 20 crores each, in any of the last five financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of Similar products in this bid, (as stated in point no 2), in the last five financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments."	Please refer to the revised eligibility criteria
12	13	Section B (1)	Eligibility Condition: 4. The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments. Documentary Evidence Required: Details to be submitted in Annexure-V along with the documentary evidence like copy of the purchase order(s), work order or certificate from the customer etc.	We request you to kindly modify the clause as mentioned below : Eligibility Condition: 4. The Bidder should have executed two orders of Rs. 15 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments. *We are here with Sincerely Requesting to remove the clause- "Proposed OEM" respectively.* Documentary Evidence Required:	Please refer to the revised eligibility criteria
13	14	Minimum Elig Criteria	The proposed OEM switches should have been installed in atleast 500 locations in one PSU/BFSI in the last three years preceding the date of this RFP.	Request LIC to modify the clause as mentioned below The proposed OEM switches should have been installed in atleast 500 location and minimum 5000 ports for DC Campus Networking switches in one PSU/BFSI in the last three five years preceding the date of this RFP for Campus Switching Solution. Documentary Evidence through Purchase Order/Work Order from OEM/Bidder	Please refer to the revised eligibility criteria
14	14	Minimum Eligibility Criteria (MEC):Experience Point Number 7	The proposed OEM switches should have been installed in atleast 500 locations in one PSU/BFSI in the last three years preceding the date of this RFP.	Request you to change it to The Bidder should have installed switches at least 300 locations in one PSU/BFSI/ Enterprise Private Customers in the last FIVE years preceding the date of this RFP.	Please refer to the revised eligibility criteria

15	14	Minimum Eligibility criteria	Proposed OEM Switches should have been installed in 500 locations in one PSU / BFSI in the last three years.	Proposed OEM Switches should have been installed in 500 locations in one PSU / BFSI in the last five years.	Please refer to the revised eligibility criteria
16	14	Section-B: ELIGIBILITY CRITERIA: Other Documents Requirements	7. The proposed OEM switches should have been installed in atleast 500 locations in one PSU/BFSI in the last three years preceding the date of this RFP.	We understand by location it is inferred upon as no. of equipment. The locations of deployment are confidential to any project. We request you not to restrict the deployment to PSU/ BFSI alone since ethernet as a technology is widely used in the industry with myraid of applications. We request to amend the clause as, "7. The proposed OEM switches should have been installed in atleast 500 nos. in to various branches/offices of Commercial Banks / PSUs/ Financial Institutions/ Telecommunication companies/ Govt. Organizations in the last three years preceding the date of this RFP". Kindly confirm.	Please refer to the revised eligibility criteria
17	14	Section-B: ELIGIBILITY CRITERIA: 1) Minimum Eligibility Criteria (MEC):	Note- The bidders are not permitted to authorize their dealers/distributors/partners/ franchisees / subsidiaries / sister concerns etc., (including individuals and third party firms/companies) to either collect or submit the tender-related documents on their behalf. LIC will summarily reject such requests and arrangements. The provisions PPP-MII Orders issued by the Government of India, and modified from time to time shall apply to this RFP.	The clause may be modified as: Note- The bidders are not permitted to authorize their dealers/distributors/partners/ franchisees etc., (including individuals and third party firms/companies) to either collect or submit the tender-related documents on their behalf. LIC will summarily reject such requests and arrangements. The provisions PPP-MII Orders issued by the Government of India, and modified from time to time shall apply to this RFP.	Please refer to the revised eligibility criteria .
18	14	1) Minimum Eligibility Criteria (MEC):	7. The proposed OEM switches should have been installed in atleast 500 locations in one PSU/BFSI in the last three years preceding the date of this RFP.	Request LIC to consider this clause as " The proposed OEM switches should have been installed in atleast 200 numbers in one PSU/BFSI/Govt in the last five years preceding the date of this RFP."	Please refer to the revised eligibility criteria
19	18	Minimum Eligibility Criteria (MEC), Experience	The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipments of the proposed OEM products in this bid, (as stated in point no 2), in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	Total Value bid would not exceed more than INR 10 Cr,	Please refer to the revised eligibility criteria
20	31	Section D (A1)	Buy-Back rates should be quoted inclusive of all taxes (wherever applicable)	Bidder requests to add buyback as a part of the commercial template, if it is under the scope of work. (In the Commercial_NPV sheet, there is no buyback line)	Please refer to the revised commercial sheet
21	32	Delivery & Installation schedule and Penalty	Delivery, installation and integration (with the current setup) of the ordered equipments should be completed within 56 days from the date of issue of Purchase order.	Request you to change it to Delivery and Installation of equipments and licenses (if any) as per the technical specification and scope of work mentioned in this RFP 16 Weeks	Please refer to the revised delivery and installation schedule. Please refer to the revised SLAs
22	32	Delivery & Installation schedule and Penalty (in case of a delay)	Delivery, installation and integration (with the current setup) of the ordered equipments should be completed within 56 days from the date of issue of Purchase order	We request LIC to please increase the delivery timelines from 56 days to 112 days as due the pandemic there is delay from most of the OEM	Please refer to the revised delivery and installation schedule. Please refer to the revised SLAs

23	32	Section D (A3)	d)Delay in delivery, installation and integration beyond 56 days will attract a penalty 0.2 % of the cost of all the items ordered for that location, per day from the 57th day till the date of installation/integration subject to a maximum of 10% of the total cost of items for that location under the PO.	Bidder requests for penalty of 0.2% of cost of undelivered items ordered for that location, per day beyond 84 days (as per SLA Schedule) with the overall penalty capped to 10% of the undelivered items under the P.O. Further bidder requests for a cure period of 30 days beyond 107 days before LIC decides to cancel the purchase order/terminate the contract.	Clause revised as "(d) Delay in delivery, installation and integration beyond 98 days will attract a penalty 0.2 % of the cost of all the items ordered for that location, per day from the 99th day till the date of installation/integration subject to a maximum of 10% of the total cost of items for that location under the PO
24	32	3) Delivery & Installation schedule and Penalty (in case of a delay):	(a) Delivery, installation and integration (with the current setup) of the ordered equipments should be completed within 56 days from the date of issue of Purchase order.	Request to change to 180 days	Please refer to the revised delivery and installation schedule. Please refer to the revised SLAs
25	54	Section-E: SCOPE OF WORK	The vendor will be responsible for ensuring end-to-end maintenance of Network/equipments and also undertake all the post failure repair/replacement of all equipments/components supplied & installed by him or previous suppliers	Bidder can not be responsible for the equipments supplied and installed by "previous suppliers". Hence request to please change the clause as follows: The vendor will be responsible for ensuring end-to-end maintenance of Network/equipments and also undertake all the post failure repair/replacement of all equipments/components supplied & installed by him under this RFP.	Clause revised as "The vendor will be responsible for ensuring end-to-end maintenance of Network/equipments and also undertake all the post failure repair/replacement of all equipments/components supplied & installed by him under this RFP"
26	54	Section-E: SCOPE OF WORK	The vendor has to provide the necessary patch cords/OFC patch cords with appropriate connectors (if required) for termination.	Please confirm if mentioned patch cords/ OFC patch cords are only for supplied network components inter connectivity OR is it for Servers connectivity also? Please clarify.	The OFC cables will be provided by LIC but the vendor has to provide the necessary patch cords/OFC patch cords with appropriate connectors (if required) for termination .
27	54	Section-E: SCOPE OF WORK --Point Number 3	To de-commission the existing network devices in the setup and commission the new network devices in the setup in such a manner, that there is no downtime involved for the installation of data center switches		Downtime not exceeding four hours will be provided.
28	54	Section-E: SCOPE OF WORK ; 1. 3)	To de-commission the existing network devices in the setup and commission the new network devices in the setup in such a manner, that there is no downtime involved for the installation of data center switches. However, downtime will be provided the installation of the campus switches.	we need minimum downtime from LIC to shift / migrate connectivity to proposed components; Please clarify if there is any backup/spare devices available on site to shift the nodes/users/equipments from existing devices to be replaced with newly proposed replacement	Downtime not exceeding four hours will be provided.

29	54	Section-E: SCOPE OF WORK	13) The vendor has to provide the necessary patch cords/OFC patch cords with appropriate connectors (if required) for termination.	Please confirm whether the inter-rack or inter-floor cabling will be provided by LIC.	Please be guided by the clarifications issued in this regard in the corrigendum.
30	56	Section-E: SCOPE OF WORK	Maintenance of Cisco-ACS	It should not in the scope of bidder as it is the existing network component of LIC.	Clause Deleted
31	58	Section-E: SCOPE OF WORK	Details of the concerned candidates along with his/her Curriculum Vitae (CV) are to be provided to LIC along with the photo-identity and supporting documents (duly verified and attested by vendor) within 5 weeks from the date of issue of purchase order/Letter-of-Intent.	Please increase the duration from 5 weeks to 10 weeks.	Details of the concerned candidates along with his/her Curriculum Vitae (CV) are to be provided to LIC along with the photo-identity and supporting documents (duly verified and attested by vendor) within 8 weeks from the date of issue of purchase order/Letter-of-Intent.
32	58	Section-E: SCOPE OF WORK	p) Integration of networking equipments with ACS/TACACS and Configuration Management Tools	Does LIC have monitoring & management tool which will be used by the onsite team for day-to-day operations of the proposed components. If yes, request to provide the details of monitoring & management tool (OEM, product, version, license details, etc)	The same shall be shared with the succesful bidder .
33	59	7.Work-flow and ticketing:	c) Integration of LICs network devices with Cisco-ACS for AAA services & controls, Network Monitoring Tool, Prime tool etc. d)Maintenance of Cisco-ACS.	We understand integration of the equipment with existing infrastructure will happen on IEEE/ ITU-T standards only. We understand Cisco-ACS are not a part of current RFP procurement and hence will be out of the maintenance. Kindly confirm that our understanding is correct.	Clause d) is deleted . Clause c) is modified as Integration of LICs network devices with the existing ACS for AAA services & controls, Network Monitoring Tool etc
34	59	Scope of Work (6c)	Should be on roll of vendor as on the date of his/her deployment to LIC	Bidder requests the following changes Should be on roll of vendor / authorised partner as on the date of his/her deployment to LIC.	Clause revised as "Should be on roll of vendor / authorised partner as on the date of his/her deployment to LIC. "
35	59	Section-E: SCOPE OF WORK	If any on-site support person leaves before expiry of one year, penalty as per SLA conditions shall be applicable. This will be cumulative in nature for each occurrence.	Please remove this clause, as Bidder will provide the alternate resource with 1 month notice.	Clause revised as "If any on-site support person leaves before expiry of one year, penalty as per SLA conditions shall be applicable. "
36	61	Section-F: Payment Terms	For 80% Payment against delivery: Satisfactory Proof of Commissioning verified by LIC official.	Commissioning activity is part of installation and not of Delivery, hence this clause should be removed.	Clause " Satisfactory Proof of Commissioning verified by LIC official. " deleted under " For 80% Payment against delivery"

37	62	Section-F: Payment Terms	Delivery and Installation of equipments and licenses (if any) as per the technical specification and scope of work mentioned in this RFP. - 12 Weeks	Considering the Covid-19 situation where mobility of Man and Machine could be a challenge, request to please increase the Delivery and Installation timeline to minimum 20 Weeks.	Please refer to the revised "TIME SCHEDULE FOR DELIVERY AND INSTALLATION " along with the SLAs and other relevant clauses
38	62	Section-G: Service Level Agreement (SLA)	Delivery, installation and integration (with the current set up) of the ordered equipments should be completed within 84days from the date of issue of Purchase order. The DOA cases shall be dealt with in the allowed 84days period from the date of issue of the purchase order.	We would like to bring to your notice that for any new OEM, integration will take time and it will not be a cake walk unless LIC wants to restrict domestic OEMs participation and favor only incumbent OEM. We request to amend the clause as "Delivery, installation and integration (with the current set up) of the ordered equipments should be completed within 30-40 weeks from the date of issue of Purchase order. The DOA cases shall be dealt with in the allowed 84 days period from the date of declaration of DOA of the material". Kindly confirm.	Please refer to the revised "TIME SCHEDULE FOR DELIVERY AND INSTALLATION " along with the SLAs and other relevant clauses
39	62	TIME SCHEDULE FOR DELIVERY AND INSTALLATION	Delivery and Installation of equipments and licenses (if any) as per the technical specification and scope of work mentioned in this RFP 12 Week	Request you to change it to Delivery and Installation of equipments and licenses (if any) as per the technical specification and scope of work mentioned in this RFP 16 Weeks	Please refer to the revised "TIME SCHEDULE FOR DELIVERY AND INSTALLATION " along with the SLAs and other relevant clauses
40	62	TIME SCHEDULE FOR DELIVERY AND INSTALLATION	Delivery and Installation of equipments and licenses (if any) as per the technical specification and scope of work mentioned in this RFP.-- 12 weeks	We request LIC to please increase the delivery timelines from 12 weeks to 16 weeks and provide the 4 weeks for the installation after the hardware delivery	Please refer to the revised "TIME SCHEDULE FOR DELIVERY AND INSTALLATION " along with the SLAs and other relevant clauses
41	62	TIME SCHEDULE FOR DELIVERY AND INSTALLATION	Onsite support--6 Weeks	We request LIC to please increase the time from 6 weeks to 10 weeks	Please be guided by the RFP
42	62	TIME SCHEDULE FOR DELIVERY AND INSTALLATION	Delivery and Installation of equipments and licenses (if any) as per the technical specification and scope of work mentioned in this RFP - 12 Weeks	We would like to bring to your notice that due to pandemic, there is a huge chipset shortages and renowned businesses are being forced to shut their manufacturing facilities due to this acute shortage. Globa chipset suppliers like Braodcom, Xilinx have lead times spanning up to 50 weeks. In lieu of same, we request you to increase the delivery and installation timeline to upto 25-30 weeks. Kindly confirm.	Please refer to the revised "TIME SCHEDULE FOR DELIVERY AND INSTALLATION " along with the SLAs and other relevant clauses
43	62	General	SLA Exemption	NO SLA penalty will be applicable on bidder incase the location is down due to 1) Power issue at customer end. 2) Improper earthing at site. 3) Equipment damaged due to water seepage or stolen from the location. 4) Access not available at site for the bidder engineer to check the issue. 5) LC not available at site. 6) Any condition which is beyond the control of bidder.	Please refer to the revised SLAs
44	63	Section-G: Service Level Agreement (SLA)	In case of a malfunctioning of appliances, hardware, hardware components accessories, systems software, or any products, the relevant defect should be attended immediately and rectified within 8 hours of the receipt/notice of the complaint.	Considering the Covid-19 situation where mobility of Man and Machine could be a challenge, the clause should be changed to as follows: In case of a malfunctioning of appliances, hardware, hardware components accessories, systems software, or any products, the relevant defect should be attended immediately and rectified within 8 working hours of the receipt/notice of the complaint.	Please refer to the revised SLAs

45	63	Section-G: Service Level Agreement (SLA)	In case of a breakdown of appliances, hardware, hardware components accessories, systems software, and/or any products, the relevant defect should be attended immediately and rectified/replaced within 8 working hours of the receipt/notice of the complaint..... 0.5% of the cost of all items ordered for that location per each hour of delay beyond 8 working hours or part thereof subject to a maximum of 10% of the total cost of items for that location under the PO.	Considering the Covid-19 situation where mobility of Man and Machine could be a challenge, the clause may be modified as: In case of a breakdown of appliances, hardware, hardware components accessories, systems software, and/or any products, the relevant defect should be attended immediately and rectified/replaced within 8 working hours of the receipt/notice of the complaint..... 0.5% of the cost of all items ordered for that location per day of delay beyond 8 working hours or part thereof subject to a maximum of 10% of the total cost of items for that location under the PO.	Please refer to the revised SLAs
46	67	Annexure II	Turnover and profit of the Company : FY 2020-21	Since the Audit for Financials for FY 2020-21 is in progress and reports will be available in Sep/Oct 2021 ; can bidder submit audited financials for preceding 3 Financial years FY 2019-20.2018-19,2017-18 ? Kindly confirm	Please refer to the revised eligibility criteria and Annexure-II .
47	69	2)Annexure –II: Company profile and other information	Application form for the Eligibility of the bidder - C. Other information/Compliance :- Experience: - 4. The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments in India. Purchase Orders for supply, installation and maintenance of Network equipmentsof the proposed OEM products in this bid, (as stated in point no 2),in the last three financial years immediately preceding the date of this RFP. Additionally, at least one purchase order of the two mentioned above should necessarily have SDN as one of the components of the various networking equipments.	We understand PPP-MII Order is duly applicable on the tender. As per Clause 10 of the PPP-MII Order, the eligibility conditions shall not be restrictive to exclude the Class-I and Class-II OEMs. The current clause in conjunction with Clause 2. is restrictive as it ensures that only existing SIs/ OEMs become eligible to participate eliminating domestic OEMs. We understand LIC wants to ensure bidder/ OEM has the capability to support the network technology and has the relevant experience to undertake the work as outlined in the RFP. However, the clause of being specific on bidder of the proposed OEM with specific product of SDN is restrictive and discriminatory. We request you to amend the clause as, "Experience: - 4. The Bidder should have executed two orders of Rs. 20 crores each, in any of the last three financial years for any PSUs / Banks / Insurance / Financial Institutions (BFSI)/TSP/Government Departments/ Telecommunication companies in India. Purchase Orders for supply, installation and maintenance of Network equipments in the last three financial years immediately preceding the date of this RFP are to be furnished." Kindly confirm.	Please refer to the revised eligibility criteria .
48	FDC-Switching-RFP-Specifications	24 port 1/10/25G Leaf switch 3.11	The switch should have a minimum of 24 GB DRAM and 128 GB Flash /SSD	Kindly modify to "The switch should have a minimum of 16 GB DRAM and 100 GB Flash /SSD".	Please refer to the revised technical specifications .
49	FDC-Switching-RFP-Specifications	24 port 1/10/25G Leaf switch 3.3	Switch should minimum 1000 VRF instances with route leaking functionality	Kindly modify to "Switch should minimum 300 VRF instances with route leaking functionality".	Please refer to the revised technical specifications .
50	FDC-Switching-RFP-Specifications	24 port 1/10/25G Leaf switch 3.4	The switch should support 300K IPv4 LPM routes.	Kindly modify to "The switch should support 200K IPv4 LPM routes."	Please refer to the revised technical specifications .
51	FDC-Switching-RFP-Specifications	24 port 1/10/25G Leaf switch 3.5	The switch should support Intelligent buffer management with a min buffer of 40 MB.	Kindly modify the clause to "The switch should support Intelligent buffer management with a min buffer of 32 MB."	Please refer to the revised technical specifications .
52	FDC-Switching-RFP-Specifications	24 port 1/10/25G Leaf switch 4.2	Switch should support VXLAN (RFC7348) and EVPn Symmetric IRB (RFC7432) for supporting Spine- Leaf Architecture to optimize the east west traffic flow inside the DC.	Kindly modify to "Switch should support VXLAN (RFC7348) and EVPN (RFC7432) for supporting Spine- Leaf Architecture to optimize the east west traffic flow inside the DC."	Please refer to the revised technical specifications .
53	FDC-Switching-RFP-Specifications	24 Port Leaf: 3.11	The Switch should have 24GB DRAM and 128 GB Flash/SSD	OEM System architectures are different, and every OEM SU don't need same RAM and Flash. The 24 GB DRAM is OEM specific. Request Modification in the Clause	Please refer to the revised technical specifications .
54	FDC-Switching-RFP-Specifications	24 Port Leaf: 3.3	Switch should support minimum 1000 VRFs with route leaking functionality	DC Leaf switches do not require 1000 VRFs. VRFs are more Service provider feature. DCs perform tenancy on VLAN and VxLANs Request Modification of this Clause	Please refer to the revised technical specifications .

55	FDC-Switching-RFP-Specifications	24 Port Leaf: 3.5	The Switch should support intelligent buffer management with a minimum buffer of 40 MB	OEM System architectures are different, and every OEM switch don't require same buffer size. Also 32 of fully shared buffer architecture performs better than 40 Mb of buffer distributed on internal 2 bus architecture. 40 MB buffer is OEM specific Request Modification of this Clause	Please refer to the revised technical specifications .
56	FDC-Switching-RFP-Specifications	24 Port Leaf: 8.4	Switch should support MAC Sec (802.1AE) in Hardware	MACSec is a feature normally suggested. between 2 DCs. Hence Request Removal of the Clause	Clause Delted
57	FDC-Switching-RFP-Specifications	24 Port Leaf: 9.6	Switch must have SPAN with minimum 4 Active Sessions and ERSPAN on Physical Port Channels, VLAN Interaces	GRESpan is also equally accepted instead of ERSPAN. Request Modification of the Clause	Please refer to the revised technical specifications .
58	FDC-Switching-RFP-Specifications	48 port 1/10/25G Leaf switch 3.11	The switch should have a minimum of 24 GB DRAM and 128 GB Flash /SSD	Kindly modify to "The switch should have a minimum of 16 GB DRAM and 100 GB Flash /SSD".	Please refer to the revised technical specifications .
59	FDC-Switching-RFP-Specifications	48 port 1/10/25G Leaf switch 3.3	Switch should minimum 1000 VRF instances with route leaking functionality	Kindly modify to "Switch should minimum 300 VRF instances with route leaking functionality".	Please refer to the revised technical specifications .
60	FDC-Switching-RFP-Specifications	48 port 1/10/25G Leaf switch 3.5	The switch should support Intelligent buffer managment with a min buffer of 40 MB.	Kindly modify the cluase to "The switch should support Intelligent buffer managment with a min buffer of 32 MB."	Please refer tp the revised technical specifications .
61	FDC-Switching-RFP-Specifications	48 port 1/10/25G Leaf switch 4.2	Switch should support VXLAN (RFC7348) and EVPn Symmetric IRB (RFC7432) for supporting Spine- Leaf Architecture to optimize the east west traffic flow inside the DC.	Kindly modify to "Switch should support VXLAN (RFC7348) and EVPN (RFC7432) for supporting Spine- Leaf Architecture to optimize the east west traffic flow inside the DC."	Please refer to the revised technical specifications .
62	FDC-Switching-RFP-Specifications	48 port 1/10/25G Leaf switch 5.8	Switch should support FCOE.	Since this is not a legacy switch, there fore FCOE would be given in separate switch. Kindldy remove FCOE from this clause.	Clause Deleted
63	FDC-Switching-RFP-Specifications	48 Port Leaf: 3.10	The Switch should have 24GB DRAM and 128 GB Flash/SSD	OEM System architectures are different, and every OEM SU don't need same RAM and Flash. The 24 GB DRAM is OEM specific. Request Modification in the Clause	Please refer to the revised technical specifications .
64	FDC-Switching-RFP-Specifications	48 Port Leaf: 3.3	Switch should support minimum 1000 VRFs with route leaking functionality	DC Leaf switches do not require 1000 VRFs. VRFs are more Service provider feature. DCs perform tenancy on VLAN and VxLANs Request Modification of this Clause	Please refer to the revised technical specifications .
65	FDC-Switching-RFP-Specifications	48 Port Leaf: 3.4	The Switch should support intelligent buffer management with a minimum buffer of 40 MB	OEM System architectures are different, and every OEM switch don't require same buffer size. Also 32 of fully shared buffer architecture performs better than 40 Mb of buffer distributed on internal 2 bus architecture. 40 MB buffer is OEM specific Request Modification of this Clause	Please refer to the revised technical specifications .
66	FDC-Switching-RFP-Specifications	48 Port Leaf: 6.3	Switch should provide Segment Routing and L3 VPN over Segment Routing	Segment Routing is Service provider feature. Not required in DC Leaf switch Request Removal of the Clause	Clause Deleted .
67	FDC-Switching-RFP-Specifications	48 Port Leaf: 8.4	Switch should support MAC Sec (802.1AE) in Hardware	MACSec is a feature normally suggested. between 2 DCs. Hence Request Removal of the Clause	Clause Deleted
68	FDC-Switching-RFP-Specifications	48 Port Leaf: 8.8	Switch should support Dynamic ARP Inspection to ensure host integrity by preventing malicious users from exploiting the insecure nature of the ARP Protocol	Request modifaicton as the method asked is very specific to a particular OEM	Please refer to the revised technical specifications .

69	FDC-Switching-RFP-Specifications	48 Port Leaf: 9.6	Switch must have SPAN with minimum 4 Active Sessions and ERSPAN on Physical Port Channels, VLAN Interfaces	GRESpan is also equally accepted instead of ERSPAN. Request Modification of the Clause	Please refer to the revised technical specifications .
70	FDC-Switching-RFP-Specifications	Modular Spine: 2.2	Min of 74 non-blocking interfaces populated with BiDi multimode 40/100G Transceivers and should be scalable to 144 40/100G interfaces with addition of modules/ line cards	The no of Spine Count is 4 and Leaf counts are 76. We assume, 2 PODS with 38 leafs each on average. Hence 64 interfaces populated are more than sufficient. Hence 38 per Spine Switch is required. Accordingly the Scalable to 128x 40/100 G interfaces is 4x increase. This we presume is a very good scalability factor Hence request modification of the clause	Please refer to the revised technical specifications .
71	FDC-Switching-RFP-Specifications	Modular Spine: 3.4	The Line Card proposed should have 150Mb Packet Buffer per LC	OEM System architectures are different, and every OEM Line cards don't need same buffer size. 150 Mb is specific to a particular OEM. Request modification in this Clause	Please refer to the revised technical specifications .
72	FDC-Switching-RFP-Specifications	Modular Spine: 3.7	The Switch should have 24GB DRAM and 128 GB Flash/SSD	OEM System architectures are different, and every OEM SU don't need same RAM and Flash. The 24 GB DRAM is OEM specific. Request Modification in the Clause	Please refer to the revised technical specifications .
73	FDC-Switching-RFP-Specifications	Modular Spine: 5.3	Switch should support minimum 500k of MAC Addresses	Spine switches will be aggregating point of Leaf Switches. Technically they would not need 500K MAC Addresses. Relaxing the MAC Address will increase participation in the RFP Request Modification in the Clause	Please refer to the revised technical specifications .
74	FDC-Switching-RFP-Specifications	Modular Spine: 8.4	Switch should support MAC Sec (802.1AE) in Hardware	MACSec is a feature normally suggested. between 2 DCs. Hence Request Removal of the Clause	Clause Deleted
75	FDC-Switching-RFP-Specifications	SDN Fabric : 4.6	Multi-DC Fabric Solution should provide encryption between sites using 256 bit AES	DCI switches can be deployed when the DCI solution is deployed. Currently this is only DC Fabric. Request Modification in the clause to have more participation and a lesser TCO Solution to LIC	Clause Deleted
76	FDC-Switching-RFP-Specifications	SDN Fabric : 5.3	Centralised Management Appliance or SDN Controller must be able to dynamically insert L4-L7 Services (Physical and Virtual Appliance) for East West Traffic	Dynamically Insert is specific to a particular OEM. Request modification of the clause	Clause Deleted
77	FDC-Switching-RFP-Specifications	SDN Fabric : 5.4	Centralised management Appliance or SDN Controller should not participate in data plane and control plane path of the fabric	Many times it will be required to perform control plane functionality from SDN controller. This, however, is totally non-disruptive for Data Plane. Hence Request modification of the clause	Please refer to the revised technical specifications .
78	24 Port Access Switches	1.3	1.3. OEM should be the leader or challengers quadrant in latest gartner's magic quadrant for the wired and wireless LAN access infrastructure	We would like to bring to your notice that presence in Gartner's Clause is a restrictive condition. The same has also been notified by DPIIT by OM dated June 20, 2019 clause no. 4 & 5, "It has been noted that many central government agencies are including restrictive and discriminatory conditions against the local supplier in the bid document. It is thereby requested to ensure that their tenders don't include restrictive and discriminatory local suppliers". The same is enclosed for your reference. We request to remove the clause.	Please refer to the revised technical specifications .

79	24 Port Access Switches	4.3	The switch should support Spanning-tree PortFast and PortFast guard for fast convergence	Please remove this point. These are all OEM specific feature there is no IEEE standard for that	Please refer to the revised technical specifications .
80	24 Port Access Switches	4.4	The switch should support UplinkFast & BackboneFast technologies to help ensure quick failover recovery, enhancing overall network stability and reliability	Please remove this point. These are all OEM specific feature there is no IEEE standard for that	Please refer to the revised technical specifications .
81	24 Port Access Switches	7.3	The switch should support IPv6 ready logo certification from day one .	Please change to " The switch should support IPv6 from day one" IPV6 Certification is not ask in Data center switches. Why the certification is required in Campus switches only.	Please refer to the revised technical specifications .
82	24 port leaf	Manageability	Switch must have SPAN with minimum 4 Active sessions and ERSPAN on physical port channel VLAN interfaces	Bidder requests LIC to modify this clause to Switch must have SPAN with minimum 4 Active sessions on physical port channel VLAN interfaces	Please refer to the revised technical specifications .
83	24 port leaf	Performance Requirement	The switch should support buffer management with a minimum buffer of 40 MB	Bidder requests LIC to modify this clause to The switch should support buffer management with a minimum buffer of 24 MB	Please refer to the revised technical specifications .
84	24 port leaf	Performance Requirement	Switch should support minimum of 1000 VRFs with route leaking functionality	VRFs are not required in a leaf switch and hence bidder requests LIC to modify this clause to Switch should support minimum 96 VRFs with route leaking functionality	Please refer to the revised technical specifications .
85	24 port leaf	Performance Requiriement	The switch should have 24 GB DRAM and 128 GB Flash SSD	Every switch architecture differs and for proper functioning optimum functioning minimum RAM and flash is required hence bidder requests LIC to modify this clause to The switch should have 16 GB DRAM and 4 GB Flash	Please refer to the revised technical specifications .
86	24 port leaf	Security	Switch should support dynamic ARP inspection to ensure host integrity by preventing malacious users from exploiting the insecure nature of ARP protocol	Bidder requests LIC to modify this clause to Switch should support dynamic ARP inspection or static ARP inspection to ensure host integrity by preventing malacious users from exploiting the insecure nature of ARP protocol	Please refer to the revised technical specifications .
87	24 port leaf	Security	Switch platform should support MACSEC 802.1AE in hardware	Bidder requests LIC to remove this clause as MACSEC is not required in leaf switches	Clause Deleted
88	24 port Leaf-10&25G Fiber	3.11	The Switch should have a minimum of 24 GB DRAM and 128 GB FLASH/SSD	Please modify this Clause to " The Switch should have a minimum of 8 GB DRAM and 1 GB FLASH/SSD" Since switches are ASIC based, RAM and Flash and non-consequential for performance. Gbps performance is more relevant than System Memory. Our switch network operating system don't have layered software designed ,so we have made a light kernel with all features built in it. The other OEMs have created layered software and to run the added features, they required higher RAM and Flash to deliver the required performance.	Please refer to the revised technical specifications .

89	24 port Leaf-10&25G Fiber	3.5	The Switch should support intelligent buffer management with a minimum buffer of 40MB.	Please modify this Clause to "The Switch should support intelligent buffer management with a minimum buffer of 32MB." For Network buffering, there's no right answer to how much of it we need. Huge buffers mean that the network never drops any traffic, but also mean increased latency. Buffer will store the traffic before it's forwarded. Some Organization prefer to have smaller buffers and let the application or protocol deal with some dropped traffic. The right way is to understand the application traffic patterns and pick a switch that fits those needs.	Please refer to the revised technical specifications .
90	24 port Leaf-10&25G Fiber	5.11	The switch should support BGP EVPN (RFC 7432) Route Type 2, Type 4 and Route Type 5 for the overlay control plane	Please modify this Clause to " The switch should support BGP EVPN (RFC 7432) Route Type 2, Type 4 for the overlay control plane" Type 5 routes are used to advertise IP prefixes for inter-subnet connectivity across data centers." Type 5 route is required for multiple DC setup.	Please refer to the revised technical specifications .
91	24 port Leaf-10&25G Fiber	8.4	Switch platform should support MAC Sec (802.1AE) encryption in hardware	Please remove MAC Sec (802.1AE) in hardware MACsec encryption is required when two sites are connected on service provider P2P link. This is not required in secure campus network. IEEE 802.1AE MACsec encryption is required when two sites are connected on service provider P2P link. This is not required in DC network. MACsec only operates on layer 2, so it can only protect a single LAN, and offers no protection when traffic is routed. This single LAN can be a physical LAN, or a virtual LAN, such as those provided by overlay network technologies like VXLAN, GENEVE, etc. MACsec also cannot protect against malicious layer 3 traffic coming from a different network interface, on a machine connected to multiple LANs. For example, attacks that rely on forcing traffic to leave from other interfaces, using ARP spoofing or IP redirects, cannot be prevented using MACsec alone. As always with security-related matters, careful configuration is necessary to eliminate flaws that lead to a weakening of the entire setup.	Clause Deleted
92	48 Port Access Switches	1.3	1.3. OEM should be the leader or challengers quadrant in latest gartner's magic quadrant for the wired and wireless LAN access infrastructure	We would like to bring to your notice that presence in Gartner's Clause is a restrictive condition. The same has also been notified by DPIIT by OM dated June 20, 2019 clause no. 4 & 5, "It has been noted that many central government agencies are including restrictive and discriminatory conditions against the local supplier in the bid document. It is thereby requested to ensure that their tenders don't include restrictive and discriminatory local suppliers". The same is enclosed for your reference. We request to remove the clause.	Please refer to the revised technical specifications .

93	48 port leaf	3.1	The Switch should have a minimum of 24 GB DRAM and 128 GB FLASH/SSD	Please modify this Clause to " The Switch should have a minimum of 8 GB DRAM and 1 GB FLASH/SSD" Since switches are ASIC based, RAM and Flash and non-consequential for performance. Gbps performance is more relevant than System Memory. Our switch network operating system don't have layered software designed ,so we have made a light kernel with all features built in it. The other OEMs have created layered software and to run the added features, they required higher RAM and Flash to deliver the required performance.	Please refer to the revised technical specifications .
94	48 port leaf	3.4	The Switch should support intelligent buffer management with a minimum buffer of 40MB.	Please modify this Clause to "The Switch should support intelligent buffer management with a minimum buffer of 32MB." For Network buffering, there's no right answer to how much of it we need. Huge buffers mean that the network never drops any traffic, but also mean increased latency. Buffer will store the traffic before it's forwarded. Some Organization prefer to have smaller buffers and let the application or protocol deal with some dropped traffic. The right way is to understand the application traffic patterns and pick a switch that fits those needs.	Please refer to the revised technical specifications .
95	48 port leaf	5.12	The switch should support BGP EVPN (RFC 7432) Route Type 2, Type 4 and Route Type 5 for the overlay control plane	Please modify this Clause to " The switch should support BGP EVPN (RFC 7432) Route Type 2, Type 4 for the overlay control plane" Type 5 routes are used to advertise IP prefixes for inter-subnet connectivity across data centers." Type 5 route is required for multiple DC setup.	Please refer to the revised technical specifications .
96	48 port leaf	8.4	Switch platform should support MAC Sec (802.1AE) encryption in hardware	Please remove MAC Sec (802.1AE) in hardware MACsec encryption is required when two sites are connected on service provider P2P link. This is not required in secure campus network. IEEE 802.1AE MACSec encryption is required when two sites are connected on service provider P2P link. This is not required in DC network. MACsec only operates on layer 2, so it can only protect a single LAN, and offers no protection when traffic is routed. This single LAN can be a physical LAN, or a virtual LAN, such as those provided by overlay network technologies like VXLAN, GENEVE, etc. MACsec also cannot protect against malicious layer 3 traffic coming from a different network interface, on a machine connected to multiple LANs. For example, attacks that rely on forcing traffic to leave from other interfaces, using ARP spoofing or IP redirects, cannot be prevented using MACsec alone. As always with security-related matters, careful configuration is necessary to eliminate flaws that lead to a weakening of the entire setup.	Clause Deleted
97	48 port leaf	Layer 3 Features	Switch should support segment routing and layer 3 VPN over segment routing	Segment routing is a service provider feature and not required in an enterprise class datacenter, bidder requests LIC to remove this clause	Clause Deleted

98	8 Port Acces Switches	49	The switch should support IPv6 ready logo certification from day one .	Please change to " The switch should support IPv6 from day one" IPv6 Certification is not ask in Data center switches as well and thus request you to maintain consistency for campus as well, as switch is capable.	Please refer to the revised technical specifications .
99	8 Port Acces Switches	52	52. OEM should be the leader or challengers quadrant in latest gartner's magic quadrant for the wired and wireless LAN access infrastructure	We would like to bring to your notice that presence in Gartner's Clause is a restrictive condition. The same has also been notified by DPIIT by OM dated June 20, 2019 clause no. 4 & 5, "It has been noted that many central government agencies are including restrictive and discriminatory conditions against the local supplier in the bid document. It is thereby requested to ensure that their tenders don't include restrictive and discriminatory local suppliers". The same is enclosed for your reference. We request to remove the clause.	Please refer to the revised technical specifications .
100	Commercial Bid	item no C	Data Center Border leaf switches	Request to mention if it is 48 port or 24 port.	Please refer to the revised commercialheet
101	Core Switch	3.11	The Switch should support routing protocols such Static,OSPF, BGPv4, IS-ISv4 from day one	Please modify this clause to "The Switch should support routing protocols such Static,OSPF/IS-ISv4, BGPv4 from day one" IS-IS and OSPF works on same algorithm. IS-IS protocol is used in service provider enviorement.IS-IS is a link-state routing protocol, operating by reliably flooding link state information throughout a network of routers. Like IS-IS protocol ,OSPF protocol uses Dijkstra's algorithm for computing the best path through the network. Packets (datagrams) are then forwarded, based on the computed ideal path, through the network to the destination. So for current requirement we can use OSPF instead of IS-IS protocol.	Please refer to the revised technical specifications .
102	Core Switch	3.14	The Switch should support IP Multicast and PIM, PIM Sparse Mode, PIM Dense Mode & Source-Specific Multicast for Wired and Wireless Clients.	Please modify this clause to " The Switch should support IP Multicast and PIM, PIM Sparse Mode, PIM Dense Mode or Source-Specific Multicast for Wired and Wireless Clients. " PIM SM /DM is the common multicast protocol used by all the organisation.PIM SSM (Source Specific Multicast) protocol based on Source based tree(SBT). It has poor scalability and it is difficult to apply large network.	Please reer to the revised technical specifications
103	Core Switch	3.21	The Switch should support uRPF for IPv4 and IPv6.	Please modify this clause to "The Switch should support uRPF or Reverse Path Forward (RPF) override for IPv4 and IPv6" The Reverse Path Forward (RPF) override, allows overriding the normal RPF lookup mechanism, and indicates to the router that it may accept multicast traffic on an interface other than the one that the RPF lookup mechanism would normally select.	Clause Deleted
104	Core Switch	3.7	Should support 802.1x authentication and accounting, IPv4 and IPv6 ACLs and Dynamic VLAN assignment.	Please modify this clause to " Switch should support IPv4 and IPv6 ACLs and VLAN " IEEE 802.1x authentication, and Dynamic VLAN assignment is not required at the campus core switch, it is required at access switch for end user.	Please refer to the revised technical specifications .

105	Core Switch	5.2	Switch / Switch's Operating System should be tested for EAL 2/NDPP or above under Common Criteria Certification.	Please modify this clause to "Switch / Switch's Operating System should be tested for EAL 2/NDPP or above under Common Criteria Certification or FCC certified."	Please refer to the revised technical specifications .
106	Core Switch	5.3	5.3 The proposed OEM should be in the Gartner Leader quadrant for wired and wireless Infrastructure for the last 3 years.	We would like to bring to your notice that presence in Gartner's Clause is a restrictive condition. The same has also been notified by DPIIT by OM dated June 20, 2019 clause no. 4 & 5, "It has been noted that many central government agencies are including restrictive and discriminatory conditions against the local supplier in the bid document. It is thereby requested to ensure that their tenders don't include restrictive and discriminatory local suppliers". The same is enclosed for your reference. We request to remove the clause.	Please refer to the revised technical specifications .
107	Core Switch	8.1	The switch should support IEEE 802.1x providing user authentication, authorization and CoA.	Please make this clause optional or remove this point IEEE 802.1x user authentication, authorization and CoA feature is not required at the campus core switch, it is required at access switch for end user policy enforcement.	Point deleted
108	Core Switch	8.5	The switch should support Port security to secure the access to an access or trunk port based on MAC address.	Please remove this clause or make it optional. This feature is required at access switch not at core switch.	Clause Deleted
109	Core Switch	3.10'	The Switch should support min. 200000 IPv4 routes	Please modify this clause to "The Switch should support min. 130000 IPv4 routes" Such a higher routing table is not required in switch. In the switch Higher MAC address is required. A primary function of a L3 device is to forward packets toward their destination. This is accomplished by using a switching function to accept a packet on one interface and forward it out another interface. A key responsibility of the switching function is to encapsulate packets in the appropriate data link frame type for the outgoing data link. In the LIC network, if we enable routing with in the network, there will not be more routing entries required.	Please refer to the revised technical specifications .
110	Core Switch	Core switch 2.4	The switch should support 4K ACLs, 4K IPv4 and 2K IPv6 multicast routes	Please change to 2000 ACLs, since for enterprise 2000 ACLs are sufficient. Typically ACLs/ Firewall filters are supposed to be done at Firewall device.	Please refer to the revised technical specifications .
111	Core Switch	Core switch 3.12	The switch should integrate with existing solution / appliances but not limited to EIGRP.	We can integrate with existing solutions however, Open standards protocols need to be followed. EIGRP is not a widely used open standard protocol. Plus it's a legacy protocol which even modern vendors and technologies don't support.	The bidder is free to change the eigrp to any other standard protocol
112	FDC Switching RFP Specifications	Modular Spine 2-2	Min of 74 non-blocking interfaces populated with BiDi multimode 40/100G Trancievers	There are 78 leaf switches, hence SPINE switch should be populated with 78 number of 40/100G Trancievers. Please recheck.	Please refer to the revised technical specifications .
113	FDC-Switching-RFP-Specifications	Technical Specifications - 24 port Leaf-10&25G Fiber	1.3 The proposed switches should be a part of Gartner Leader Quadrant for DC Networking for last 2 years.	We would like to bring to your notice that presence in Gartner's Clause is a restrictive condition. The same has also been notified by DPIIT by OM dated June 20, 2019 clause no. 4 & 5, "It has been noted that many central government agencies are including restrictive and discriminatory conditions against the local supplier in the bid document. It is thereby requested to ensure that their tenders don't include restrictive and discriminatory local suppliers". The same is enclosed for your reference. We request to remove the clause.	Please refer to the revised technical specifications .

114	FDC-Switching-RFP-Specifications	Technical Specifications - 24 port Leaf- 10&25G Fiber	11.3 All the components should be from same OEM.	We would like to bring to your notice that the clause is restrictive as notified by DPIIT by OM dated June 20, 2019 clause no. 4 & 5, "It has been noted that many central government agencies are including restrictive and discriminatory conditions against the local supplier in the bid document. It is thereby requested to ensure that their tenders don't include restrictive and discriminatory local suppliers". The same is enclosed for your reference. We request to remove the clause.	Please refer to the revised technical specifications .
115	FDC-Switching-RFP-Specifications	Technical Specifications - 48 port leaf	1.3 The proposed switches should be a part of Gartner Leader Quadrant for DC Networking for last 2 years.	We would like to bring to your notice that presence in Gartner's Clause is a restrictive condition. The same has also been notified by DPIIT by OM dated June 20, 2019 clause no. 4 & 5, "It has been noted that many central government agencies are including restrictive and discriminatory conditions against the local supplier in the bid document. It is thereby requested to ensure that their tenders don't include restrictive and discriminatory local suppliers". The same is enclosed for your reference. We request to remove the clause.	Please refer to the revised technical specifications .
116	FDC-Switching-RFP-Specifications	Technical Specifications - 48 port leaf	11.3 All the components should be from same OEM.	We would like to bring to your notice that the clause is restrictive as notified by DPIIT by OM dated June 20, 2019 clause no. 4 & 5, "It has been noted that many central government agencies are including restrictive and discriminatory conditions against the local supplier in the bid document. It is thereby requested to ensure that their tenders don't include restrictive and discriminatory local suppliers". The same is enclosed for your reference. We request to remove the clause.	Please refer to the revised technical specifications .
117	FDC-Switching-RFP-Specifications	Technical Specifications - Moduler-Spine	1.7 The proposed switches should be a part of Gartner Leader Quadrant for DC Networking for last 2 years.	We would like to bring to your notice that presence in Gartner's Clause is a restrictive condition. The same has also been notified by DPIIT by OM dated June 20, 2019 clause no. 4 & 5, "It has been noted that many central government agencies are including restrictive and discriminatory conditions against the local supplier in the bid document. It is thereby requested to ensure that their tenders don't include restrictive and discriminatory local suppliers". The same is enclosed for your reference. We request to remove the clause.	Please refer to the revised technical specifications .
118	FDC-Switching-RFP-Specifications	Technical Specifications - Moduler-Spine	1.9 Switch and Optics from the same OEM	We would like to bring to your notice that presence in Gartner's Clause is a restrictive condition. The same has also been notified by DPIIT by OM dated June 20, 2019 clause no. 4 & 5, "It has been noted that many central government agencies are including restrictive and discriminatory conditions against the local supplier in the bid document. It is thereby requested to ensure that their tenders don't include restrictive and discriminatory local suppliers". The same is enclosed for your reference. We request to remove the clause.	Please be guided by the RFP
119	FDC-Switching-RFP-Specifications	Technical Specifications - Moduler-Spine	9.7 All the components should be from same OEM.	We would like to bring to your notice that the clause is restrictive as notified by DPIIT by OM dated June 20, 2019 clause no. 4 & 5, "It has been noted that many central government agencies are including restrictive and discriminatory conditions against the local supplier in the bid document. It is thereby requested to ensure that their tenders don't include restrictive and discriminatory local suppliers". The same is enclosed for your reference. We request to remove the clause.	Please refer to the revised technical specifications .
120	Modular Spine	4.2	Switch should support VXLAN (RFC7348) and EVPn Symmetric IRB (RFC7432) for supporting Spine- Leaf Architecture to optimize the east west traffic flow inside the DC.	Kindly modify to "Switch should support VXLAN (RFC7348) and EVPN (RFC7432) for supporting Spine- Leaf Architecture to optimize the east west traffic flow inside the DC."	Please refer to the revised technical specifications .

121	Modular Spine	Hardware and Interface requirement	Min 74 non-blocking interfaces populated with BiDi multimode 40/100G transreceivers and should be scalable to 144 40/100G with additional module/line cards	As the number of spine switches as per the commercial template is 4 and the number of leaf switches are 76, bidder requests LIC to modify this clause to Min. 38 non-blocking interfaces populated with BiDi multimode 40/100G transreceivers and should be scalable to 76 40/100G with additional module/line cards	Please refer to the revised technical specifications .
122	Modular Spine	Performance Requiriement	The line card should have 150 MB packet buffer per LC	In a datacenter environment the architecture should be non blocking and tehre should be no buffering, hence bidder requests to change this clause to The line card should have 32 MB packet buffer per LC	Please refer to the revised technical specifications .
123	Moduler-Spine	3.4	The line card proposed should have minimum 150MB Packet Buffer per LC	Please modify this Clause to "The line card proposed should have minimum 32MB Packet Buffer per LC/per ASIC" For Network buffering, there's no right answer to how much of it we need. Huge buffers mean that the network never drops any traffic, but also mean increased latency. Buffer will store the traffic before it's forwarded. Some Organization prefer to have smaller buffers and let the application or protocol deal with some dropped traffic. The right way is to understand the application traffic patterns and pick a switch that fits those needs.	Please refer to the revised technical specifications .
124	Moduler-Spine	3.7	The Switch should have a minimum of 24 GB DRAM and 128 GB FLASH/SSD	Please modify this Clause to " The Switch should have a minimum of 8GB DRAM and 16 GB FLASH/SSD" Since switches are ASIC based, RAM and Flash and non-consequential for performance. Gbps performance is more relevant than System Memory. Our switch network operating system don't have layered software designed ,so we have made a light kernel with all features built in it. The other OEMs have created layered software and to run the added features, they required higher RAM and Flash to deliver the required performance.	Please refer to the revised technical specifications .
125	Moduler-Spine	5.3	Switch should support minimum 500K of MAC addresses	Please modify this Clause to " Switch should support minimum 288K of MAC addresses" Spine switch will work as route reflector in spine-leaf network. All the servers will be connected to leaf switch so higher MAC address will be required at Leaf switches not on the spine switches.	Please refer to the revised technical specifications .
126	Moduler-Spine	5.7	The switch should support BGP EVPN (RFC 7432) Route Type 2, Type 4 and Route Type 5 for the overlay control plane	Please modify this Clause to " The switch should support BGP EVPN (RFC 7432) Route Type 2, Type 4 for the overlay control plane" Type 5 routes are used to advertise IP prefixes for inter-subnet connectivity across data centers." Type 5 route is required for multiple DC setup.	Please refer to the revised technical specifications .

127	Moduler-Spine	8.4	Switch platform should support MAC Sec (802.1AE) in hardware	Please remove MAC Sec (802.1AE) in hardware MACsec encryption is required when two sites are connected on service provider P2P link. This is not required in secure campus network. IEEE 802.1AE MACsec encryption is required when two sites are connected on service provider P2P link. This is not required in DC network. MACsec only operates on layer 2, so it can only protect a single LAN, and offers no protection when traffic is routed. This single LAN can be a physical LAN, or a virtual LAN, such as those provided by overlay network technologies like VXLAN, GENEVE, etc. MACsec also cannot protect against malicious layer 3 traffic coming from a different network interface, on a machine connected to multiple LANs. For example, attacks that rely on forcing traffic to leave from other interfaces, using ARP spoofing or IP redirects, cannot be prevented using MACsec alone. As always with security-related matters, careful configuration is necessary to eliminate flaws that lead to a weakening of the entire setup.	Clause Deleted
128	SDN Fabric	4.6	Multi DC fabric solution should provide encryption between sites using 256-bits AES	Please modify this clause to "Multi DC fabric solution should provide encryption/encapsulation between tow site between sites using 256-bits AES or VxLAN based encapsulation"	Please refer to the revised technical specifications .
129	SDN Fabric	Fabric Security Features	Muti DC fabric solution should provide encryption between sites using AES 256 encryption	Bidder requests LIC to remove this clause as current solution is only for single DC and multi DC solution would require DCI switches which is not currently part of the proposed solution	Clause Deleted
130	Tacacs	29	Log file extracts should include an accurate time-stamp that is digitally signed.	Please modify this clause to "Log file extracts should include an accurate time-stamp" digitally signed is OEM specific. Log file is password protected.	Please refer to the revised technical specifications .
131	Tacacs	47	TACACS+ profiles should support profile for WLC with permissions - all, monitor, lobby or selected roles/tabs like only WLAN, controller, wireless, Security, Management or commands	Please modify this clause to" TACACS+ profiles should support profile for WLC with permissions"	Please refer to the revised technical specifications .
132	Tacacs	49	TACACS+ command sets should come with prebuilt command set profiles for deny all commands, allow all commands and show only commands.	Please remove this point. This is OEM specific. TACACS will be a multi-vendor software and it will not have prebuilt command set profiles for all the OEMs which are available in the industry.	Clause Deleted
133	Tacacs	54	TACACS+ service should support custom settings for - Protocol session timeout, connection timeout, packet size, authorization cache timeout, cutomer username and password prompt, password change, Password Violation policy prompt etc.	Please modify this clause to "TACACS+ service should support custom settings for - session timeout, connection timeout, authorization cache timeout, username and password prompt"	Please refer to the revised technical specifications .
134	Tacacs	55	TACACS+ Authentication settings should support TACACS Draft Compliance Single Connect Support	Please remove this point. This is OEM specific.	clause Deleted

Revised Activity Schedule is as follows:	
RFP Reference	CO/IT-BPR/NW/RFP/2021-22/01Dated: 28.06.2021
Last Date for Bid Submission	07 th October 2021 latest by 03:30PM
Eligibilty and Technical Bid opening date & time	07 th October 2021 at 04:00PM
Commercial Bid opening date & time	Will be intimated to the Technically qualified Bidders at a later date