

Consolidated Quires for Railnet upgradation switches and firewall Tender No 291

Pre-Bid Queries for E-TENDER NO.Tender No. Tender No. RAILTEL/TENDER/OT/CO/DNM/2015-16/Railnet Upgradation/Switches & Firewall /291 Dated: 20.10.2015:

SN	Chapter	Clause No	Existing Clause	Clarification	Railtel Response
1	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 3(b) Firewall functionality requirement , Point No. xviii	There should 24 DIMM Slots for Memory and Memory upgradable to 768 GB	If expansion up to 768GB is required. And if it can be met by a system with fewer DIMMs but xpandable up to 768GB . Is such a system acceptable?	May Kindly Reffer the Corrigendum-II
2	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 3(b) Firewall functionality requirement , Point No. xviii	Server RAID controller should support the following configurations RAID 0, 1, 5, 6, 10 , 50 and 60 support.	you have asked for RAID 60 support, since RAID 60 requires at least 8 HDDs. Should we presume that the server should be able to accomodate 8 HDDs	May Kindly Reffer the Corrigendum-II
3	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 3(b) Firewall functionality requirement , Point No. xviii	Proposed Platform shall have Hot Plug min 2 x 300GB SAS 10 K RPM Hardisk .	You have asked for 2x300GB SAS Disks. SATA SSDs offer a higher performance and ideal for the requirement.Will these be acceptable?	May Kindly Reffer the Corrigendum-II
4	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 3(b) Firewall functionality requirement , Point No. xviii	Proposed platform shall have regulatory Compliance ROHS , FCC / UL/CE and 80% Plus Platinum Level for power supplies.	Request you include 80 Plus Gold and Platinum both for the power supply qualification	May Kindly Reffer the Corrigendum-II
5	chapter 3(C) NETWORK MANAGEMENT SYSTEM	clause 2. The NMS Hardware should support following Hardware specifications	There should 24 DIMM Slots for Memory and Memory upgradable to 768 GB	If expansion up to 768GB is required. And if it can be met by a system with fewer DIMMs but xpandable up to 768GB . Is such a system acceptable?	May Kindly Reffer the Corrigendum-II
6	chapter 3(C) NETWORK MANAGEMENT SYSTEM	clause 2. The NMS Hardware should support following Hardware specifications	Server RAID controller should support the following configurations RAID 0, 1, 5, 6, 10 , 50 and 60 support.	you have asked for RAID 60 support, since RAID 60 requires at least 8 HDDs. Should we presume that the server should be able to accomodate 8 HDDs	May Kindly Reffer the Corrigendum-II
7	chapter 3(C) NETWORK MANAGEMENT SYSTEM	clause 2. The NMS Hardware should support following Hardware specifications	Proposed Platform shall have Hot Plug min 2 x 300GB SAS 10 K RPM Hardisk .	You have asked for 2x300GB SAS Disks. SATA SSDs offer a higher performance and ideal for the requirement.Will these be acceptable?	May Kindly Reffer the Corrigendum-II
8	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 3(b) Firewall functionality requirement , Point No. xiii	The firewall shall have in-built support for IPSec VPNs and SSL VPN	Request you to ammend the clause as "The firewall shall have in-built support for IPSec VPNs" It is always recommend to have separate device for SSL VPN as performance of the firewall degrade drastically when SSL VPN functionality enabled	Tender condition is very clear ,No change is proposed in tender condition
9	chapter 3 NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 3(b) Firewall functionality requirement	New Clause	Request you to add MPLS functionality on Zonal and P As Railtel is running MPLS network, it is always recommended to have solution which is capable of handling MPLS features like LDP, MPLS TE and fast reroute (FRR), VPLS, Pseudowire redundancy from day 1, so that in future same device can be used for MPLS network as well without any additional cost to Railtel	Tender condition is very clear ,No change is proposed in tender condition
10	CHAPTER- 2 SCHEDULE OF REQUIREMENT	SCHEDULE OF REQUIREMENT-A (Supply)	Supply of 24 Port Layer-3 Gigabit Switch with 2x10G SFP for IP LAN as per technical specification given in Chapter-3	In description it has been asked as gigabit switch, whereas in technical specs it has been asked to provide 24 1/10G SFP+ ports. Request you to kindly ammend the highlighted portion to "24 Port Layer 3 10-Gigabit Switch"	Tender condition is very clear ,No change is proposed in tender condition
11	CHAPTER- 2 SCHEDULE OF REQUIREMENT	SCHEDULE OF REQUIREMENT-A (Supply)	Supply of 24 Port Layer-3 Gigabit Switch for storage LAN as per technical specification given in Chapter-3	In description it has been asked as gigabit switch, whereas in technical specs it has been asked to provide 24 1/10G SFP+ ports. Request you to kindly ammend the highlighted portion to "24 Port Layer 3 10-Gigabit Switch"	Tender condition is very clear ,No change is proposed in tender condition

12	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	Note point 6	The OEM of Hardware /appliance of Switches and Firewall should have figured in latest Gartner Report in field of Servers/Security/LAN	The OEM of Hardware /appliance of Switches should have figured in latest Gartner Report in Leader's or Visionaries Quadrant of Wired and Wireless LAN. The OEM of Hardware /appliance of Firewall should have figured in latest Gartner Report in Leader's or Challenger's Quadrant of Enterprise Network Firewalls	Tender condition is very clear ,No change is proposed in tender condition
13	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 24 Port Layer-3 Gigabit Switch with 2x10G SFP+/XFP for IP LAN	Switch shall have 24 Nos. 1/10G SFP+ auto sensing ports with additional trunk 2 Nos. of min 10 Gigabit SFP complying to IEEE 802.3, IEEE 803.3u and 802.3ab standard , supporting half duplex mode ,full duplex mode and auto negotiation on each port to optimize bandwidth	Fiber ports DO NOT have autosensing capabilities. Auto sensing is a feature of Copper based Ports. Request you to kindly amend the highlighted portion to "24 No.s 1/10G SFP+ with additional..."	Tender condition is very clear ,No change is proposed in tender condition
14	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 24 Port Layer-3 Gigabit Switch with 2x10G SFP+/XFP for IP LAN	Switch shall have 24 Nos. 1/10G SFP+ auto sensing ports with additional trunk 2 Nos. of min 10 Gigabit SFP complying to IEEE 802.3, IEEE 803.3u and 802.3ab standard , supporting half duplex mode ,full duplex mode and auto negotiation on each port to optimize bandwidth.	This is not a proper and industry standard design, as this specification makes the switch a 'Blocking Architecture'. Also additional mentioned standards are mostly for Base-T interface and some already mentioned in below compliance Request you to kindly amend the highlighted portion to "additional trunk 2 No.s of min 40 Gigabit QSFP+ ports."	Tender condition is very clear ,No change is proposed in tender condition
15	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 24 Port Layer-3 Gigabit Switch with 2x10G SFP+/XFP for IP LAN	Switch shall have minimum of 240 Gbps (full duplex) forwarding bandwidth at layer 2 switching fabric.	Since the number and type of ports should be upgraded to QSFP+, we suggest in changing the throughput requirement. Also, since the requirement is of Layer 3 switch, the throughput and forwarding should be capable of handling traffic at both the layers effectively. Request you to kindly amend the highlighted portion to "Switch shall have minimum of 700 Gbps (full duplex) forwarding bandwidth at layer 2 and layer 3 switching fabric."	Tender condition is very clear ,No change is proposed in tender condition
16	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 24 Port Layer-3 Gigabit Switch with 2x10G SFP+/XFP for IP LAN	Switch shall have minimum of 360 million packets (full duplex) forwarding bandwidth at layer 2 switching fabric.	Since the number and type of ports should be upgraded to QSFP+, we suggest in changing the forwarding requirement. Also, since the requirement is of Layer 3 switch, the throughput and forwarding should be capable of handling traffic at both the layers effectively. Request you to kindly amend the highlighted portion to "Switch shall have minimum of 360 million packets (full duplex) forwarding bandwidth at layer 2 and layer 3 switching fabric"	Tender condition is very clear ,No change is proposed in tender condition
17	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 24 Port Layer-3 Gigabit Switch with 2x10G SFP+/XFP for IP LAN	Support RADIUS protocol for console access restriction and authentication as per RFC 2138.	Since support for desired protocols have already been asked separately, hence it is requested to remove the highlighted portion Request you to kindly amend this clause as "Support RADIUS protocol for console access restriction and authentication."	Tender condition is very clear ,No change is proposed in tender condition
18	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 24 Port Layer-3 Gigabit Switch with 2x10G SFP+/XFP for IP LAN	Support all the standard MIBs (MIB-I&II).	We have support for equivalent protocol against MIB-II Request you to kindly amend this clause as "Support all the standard MIBs (MIB-I and MIB-II or equivalent)"	Tender condition is very clear ,No change is proposed in tender condition
19	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 24 Port Layer-3 Gigabit Switch with 2x10G SFP+/XFP for IP LAN	Traffic prioritization: Flow-based Qos with internal and external (a.k.a., remarking) prioritization	The highlighted clause is specific and proprietary to a single OEM Request you to kindly amend this clause as "Traffic prioritization: Flow-based Qos with internal and external prioritization."	Tender condition is very clear ,No change is proposed in tender condition

20	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 24 Port Layer-3 Gigabit Switch with 2x10G SFP+/XFP for IP LAN	Request you to kindly amend this clause as "Traffic prioritization: Flow-based Qos with internal and external prioritization."	We have support for equivalent protocol against IEEE 802.3ac Request you to kindly amend this clause as "IEEE 802.3ac (VLAN Tagging) or equivalent"	Tender condition is very clear ,No change is proposed in tender condition
21	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 24 Port Layer-3 Gigabit Switch with 2x10G SFP+/XFP for IP LAN	New Clause	Since there are going to be multiple switches in single locations, it is recommended that switches with support for stacking should be procured, to ease manageability and get high availability. Request you to kindly add this clause as "Shall have the capability to virtualize or stack of minimum 8 Switch as logical one single device"	Tender condition is very clear ,No change is proposed in tender condition
22	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 Supply of 24 Port Layer-3 Gigabit Switch for Storage LAN.	Switch shall have 24 Nos. 1/10G SFP+ auto sensing ports with additional trunk 2 Nos. of min 10 Gigabit SFP complying to IEEE 802.3, IEEE 803.3u and 802.3ab standard , supporting half duplex mode ,full duplex mode and auto negotiation on each port to optimize bandwidth	Fiber ports DO NOT have autosensing capabilities. Auto sensing is a feature of Copper based Ports. Request you to kindly amend the highlighted portion to "24 No.s 1/10G SFP+ with additional..."	Tender condition is very clear ,No change is proposed in tender condition
23	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 Supply of 24 Port Layer-3 Gigabit Switch for Storage LAN.	Switch shall have 24 Nos. 1/10G SFP+ auto sensing ports with additional trunk 2 Nos. of min 10 Gigabit SFP complying to IEEE 802.3, IEEE 803.3u and 802.3ab standard , supporting half duplex mode ,full duplex mode and auto negotiation on each port to optimize bandwidth.	This is not a proper and industry standard design, as this specification makes the switch a 'Blocking Architecture'. Also additional mentioned standards are mostly for Base-T interface and some already mentioned in below compliance Request you to kindly amend the highlighted portion to "additional trunk 2 No.s of min 40 Gigabit QSFP+ ports."	Tender condition is very clear ,No change is proposed in tender condition
24	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 Supply of 24 Port Layer-3 Gigabit Switch for Storage LAN.	Switch shall have minimum of 240 Gbps (full duplex) forwarding bandwidth at layer 2 switching fabric.	Since the number and type of ports should be upgraded to QSFP+, we suggest in changing the throughput requirement. Also, since the requirement is of Layer 3 switch, the throughput and forwarding should be capable of handling traffic at both the layers effectively. Request you to kindly amend the highlighted portion to "Switch shall have minimum of 700 Gbps (full duplex) forwarding bandwidth at layer 2 and layer 3 switching fabric."	Tender condition is very clear ,No change is proposed in tender condition
25	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 Supply of 24 Port Layer-3 Gigabit Switch for Storage LAN.	Switch shall have minimum of 360 million packets (full duplex) forwarding bandwidth at layer 2 switching fabric.	Since the number and type of ports should be upgraded to QSFP+, we suggest in changing the forwarding requirement. Also, since the requirement is of Layer 3 switch, the throughput and forwarding should be capable of handling traffic at both the layers effectively. Request you to kindly amend the highlighted portion to "Switch shall have minimum of 360 million packets (full duplex) forwarding bandwidth at layer 2 and layer 3 switching fabric" Request you to kindly amend the highlighted portion to "Switch shall have minimum of 360 million packets (full duplex) forwarding bandwidth at layer 2 and layer 3 switching fabric"	Tender condition is very clear ,No change is proposed in tender condition
26	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 Supply of 24 Port Layer-3 Gigabit Switch for Storage LAN.	Support RADIUS protocol for console access restriction and authentication as per RFC 2138.	Since support for desired protocols have already been asked separately, hence it is requested to remove the highlighted portion Request you to kindly amend this clause as "Support RADIUS protocol for console access restriction and authentication."	Tender condition is very clear ,No change is proposed in tender condition
27	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 Supply of 24 Port Layer-3 Gigabit Switch for Storage LAN.	Support all the standard MIBs (MIB-I&II).	We have support for equivalent protocol against MIB-II Request you to kindly amend this clause as "Support all the standard MIBs (MIB-I and MIB-II or equivalent)"	Tender condition is very clear ,No change is proposed in tender condition

28	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 Supply of 24 Port Layer-3 Gigabit Switch for Storage LAN.	Traffic prioritization: Flow-based Qos with internal and external (a.k.a., remarking) prioritization.	The highlighted clause is specific and proprietary to a single OEM Request you to kindly amend this clause as "Traffic prioritization: Flow-based Qos with internal and external prioritization."	Tender condition is very clear ,No change is proposed in tender condition
29	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 Supply of 24 Port Layer-3 Gigabit Switch for Storage LAN.	IEEE 802.3ac (VLAN Tagging)	We have support for equivalent protocol against IEEE 802.3ac Request you to kindly amend this clause as "IEEE 802.3ac (VLAN Tagging) or equivalent"	Tender condition is very clear ,No change is proposed in tender condition
30	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 1 Supply of 24 Port Layer-3 Gigabit Switch for Storage LAN.	New Clause	Since there are going to be multiple switches in single locations, it is recommended that switches with support for stacking should be procured, to ease manageability and get high availability. Request you to kindly add this clause as "Shall have the capability to virtualize or stack of minimum 8 Switch as logical one single device"	Tender condition is very clear ,No change is proposed in tender condition
31	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	3 a) Router functionality requirement & b) Firewall functionality requirement		There is ambiguity in statement, section 3a (ii) says minimum backplane capacity should be 24 Gbps for zonal and PU and 12 Gbps for divisions. But in section 3b it says firewall throughput should be 1Gbps real world imix traffic. Which value should be taken for firewall throughput sizing? Can we take 1Gbps firewall throughput?	Tender condition is very clear ,No change is proposed in tender condition
32	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 4. L3 Switch (48 Port POE)	Support RADIUS protocol for console access restriction and authentication as per RFC 2138.	Since support for desired protocols have already been asked separately, hence it is requested to remove the highlighted portion Request you to kindly amend this clause as "Support RADIUS protocol for console access restriction and authentication."	Tender condition is very clear ,No change is proposed in tender condition
33	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 4. L3 Switch (48 Port POE)	Support all the standard MIBs (MIB-I&II).	We have support for equivalent protocol against MIB-II Request you to kindly amend this clause as "Support all the standard MIBs (MIB-I and MIB-II or equivalent)"	Tender condition is very clear ,No change is proposed in tender condition
34	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 4. L3 Switch (48 Port POE)	Traffic prioritization: Flow-based Qos with internal and external (a.k.a., remarking) prioritization.	The highlighted clause is specific and proprietary to a single OEM Request you to kindly amend this clause as "Traffic prioritization: Flow-based Qos with internal and external prioritization."	Tender condition is very clear ,No change is proposed in tender condition
35	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 4. L3 Switch (48 Port POE)	IEEE 802.3ac (VLAN Tagging)	We have support for equivalent protocol against IEEE 802.3ac Request you to kindly amend this clause as "IEEE 802.3ac (VLAN Tagging) or equivalent"	Tender condition is very clear ,No change is proposed in tender condition
36	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 4. L3 Switch (48 Port POE)	New Clause	Since there are going to be multiple switches in single locations, it is recommended that switches with support for stacking should be procured, to ease manageability and get high availability. Request you to kindly add this clause as "Shall have the capability to virtualize or stack of minimum 8 Switch as logical one single device"	Tender condition is very clear ,No change is proposed in tender condition

37	CHAPTER 4 COMMERCIAL TERMS & CONDITIONS	Clause 2.4.3	During this period the bidder should provide the one Qualified (L2 Level) Engineer at CNOC (working 6 days a week for 8 Hrs) and Equipment up time should be 99.99 % for redundant system and 99.95% for non redundant System excluding the dependencies on account of RailTel and unforeseen circumstances. If the Bidder fail to achieve uptime as mentioned, the following penalties will be imposed. It will be calculated on quarterly (3 month) basis and maximum penalties will be 10 % of the cost of Equipment per year	The penalty should be the AMC price of the equipment, not on the cost of the equipment	Tender condition is very clear ,No change is proposed in tender condition
38	CHAPTER 4 COMMERCIAL TERMS & CONDITIONS	Clause 2.4.3	During warranty and LONG TERM MAINTENANCE SUPPORT If the Bidder fails to replace card/Part within 10 Working days, the following penalties will be imposed	The penalty should be the AMC price of the equipment, not on the cost of the equipment	Tender condition is very clear ,No change is proposed in tender condition
39	CHAPTER 4 COMMERCIAL TERMS & CONDITIONS	Clause 2.4.3	Service Level	99.99% and 99.95% uptime is not viable without 100% redundancy and HA mode network configuration. The only possibility is that with HA mode, the network availability can be made 99.99% as in case of failure the replacement of the defective make take 6 to 24 hrs depending upon location and transit time. Practically, In a quarter to give 99.99% uptime, vendor has 12 min to restore the operation and in case of 99.95% vendor has 1 hr approx	Tender condition is very clear ,No change is proposed in tender condition
40	CHAPTER 4 COMMERCIAL TERMS & CONDITIONS	Clause 2.4.3	Tenderer/OEM(through its Indian subsidiary), shall be paid @ 3.5% of supply cost per annum towards Long Term Maintenance Support after completion of	As per RFP the warranty is for 3 years and AMC rates to be quoted the rate of 3.5%. Please clarify whether OEM back-lining is required or Not	Tender condition is very clear ,No change is proposed in tender condition
41	CHAPTER 4 COMMERCIAL TERMS & CONDITIONS	Clause 5 payment terms	<p>Payment Terms mentioned in tender are:</p> <p>Material Related</p> <ol style="list-style-type: none"> 1) 75% payment of the value of the supply items would be made on receipt of material. 2) 15% payment of the value of Supply items of the PO on Installation & Commissioning at site. 3) 5% payment of value of Supply items of the PO on issue of Provisional Acceptance Certificate (PAC). 4) 5% payment of the value of supply items of the PO on issue of Final Acceptance Certificate (FAC). <p>Services Related</p> <p>90% payment of SOR item towards "Installation, Testing & Commissioning per site" shall be made by on successful Installation, testing & commissioning, 5% on issue of PAC and final 5% on issue of Final Acceptance Certificate.</p>	We request the department to change the same to 90% on delivery & balance 10% on installation, commissioning & submission of PBG.	Tender condition is very clear ,No change is proposed in tender condition
42	CHAPTER 4 COMMERCIAL TERMS & CONDITIONS	AMC terms	AMC mentioned on Page No: 40 as 5 years after the warranty & on Page No: 41 as 3 years after the warranty .	AMC mentioned on Page No: 40 as 5 years after the warranty & on Page No: 41 as 3 years after the warranty .	Tender condition is very clear ,No change is proposed in tender condition
43	CHAPTER 4 COMMERCIAL TERMS & CONDITIONS	No. of Service Centers of SI	OEMs or OEM service partner should have their spare depots/Service Centre in four metro cities in India	For such big project, the bidder should have atleast 10 service centres across India. We request the department to amend this clause with the requested one.	Tender condition is very clear ,No change is proposed in tender condition

44	CHAPTER 4 COMMERCIAL TERMS & CONDITIONS	Turnover	The sum total of the turnover of contractual payment received during the last preceding 3 financial years (i.e. current year and three previous financial years) from the date of opening of tender should be Min. of Rs. 6.81 Crore	Please clarify.	Tender condition is very clear .No change is proposed in tender condition
45	CHAPTER 4 COMMERCIAL TERMS & CONDITIONS	Any Tax Exemptions	Whether any tax exemptions will be provided?	Please clarify	Tender condition is very clear .No change is proposed in tender condition
46	CHAPTER 4 COMMERCIAL TERMS & CONDITIONS	Centralized Payment	Whether the payment will be made centrally or locally?	Please clarify. We request the department to keep the same centrally on submission of requisite documents to Railtel HO.	Tender condition is very clear .No change is proposed in tender condition
47	CHAPTER 4 COMMERCIAL TERMS & CONDITIONS	clause 12.1..2	The Tenderer/bidder should have supplied and provision of similar offered equipments of Switches and Firewall with satisfactory working as indicated in Bid Data Sheet (BDS) Chapter 5 to Government/PSUs/Telecom Service Providers/Public Listed Company during the last three years from the date of opening of tender	The Tenderer/bidder/OEM should have supplied and provision of similar offered equipments of Switches and Firewall with satisfactory working as indicated in Bid Data Sheet (BDS) Chapter 5 to Government/PSUs/Telecom Service Providers/Public Listed Company during the last three years from the date of opening of tender There will be large number of tenderers qualifying under the eligibility conditions, thereby affording better options and choice to Railtel and providing a more level playing field for the tenderers.	Tender condition is very clear .No change is proposed in tender condition
48	CHAPTER 4 COMMERCIAL TERMS & CONDITIONS	clause 12.2.1	The tenderer should have executed one order of supply/ provision of similar equipment (as defined in Bid Data Sheet) costing not less than the value as indicated in Bid Data Sheet (BDS) Chapter 5 during last preceding 5 financial years (i.e. current year and five previous financial years) from the date of opening of tender. Supply of this value against a single rate contract, during above period, will also qualify for this purpose.	The tenderer/OEMs should have executed one order of supply/ provision of similar equipment (as defined in Bid Data Sheet) costing not less than the value as indicated in Bid Data Sheet (BDS) Chapter 5 during last preceding 5 financial years (i.e. current year and five previous financial years) from the date of opening of tender. Supply of this value against a single rate contract, during above period, will also qualify for this purpose. There will be large number of tenderers qualifying under the eligibility conditions, thereby affording better options and choice to Railtel and providing a more level playing field for the tenderers.	Tender condition is very clear .No change is proposed in tender condition
49	Chapter-3-Firewall	Clause 3 a-iii	iii. The System shall support dual redundant AC power supply voltage range of 110 – 240 VAC	The Router shall support dual redundant AC power supply voltage range of 110 – 240 VAC. If proposed separately Firewall can shall support Single/Dual AC Power supply voltage range 100-240 VAC. Proposing Router and Firewall as separate Appliance as Note: on Page 31. Please exclude Firewall for Dual Power, since the Architecture you had designed is Redundant in terms of Appliances[High Available] for all locations. Each hardware in HA can be plugged to different Power Supplies Unit to achieve Power Redundancy with Appliance Redundancy. This will help Reducing Costing of the solution in terms of Per device Power Consumption as well.	Tender condition is very clear .No change is proposed in tender condition
50	Chapter-3-Firewall	Clause 3 b-i	i. Proposed solution shall be able to deliver minimum 1 Gbps real world Internet Mix throughput . In case the proposed platform does not scale to the above mentioned capacities the bidder should provide free upgrade to platform to meet the performance requirements.	900 mbps IMX Throughout --Based on Interface Speed, IMIX throughput at given point of time cannot 100% as per industry standard degradation of traffic, it should be 80%-90%, hence we suggest to amend it at least 800-900 Mbps	Tender condition is very clear .No change is proposed in tender condition

51	Chapter-3-Firewall	Clause-3 b-iii	iii. Shall support at least 500 k concurrent connections	100K Concurrent Connection--In real traffic scenario Concurrent Connections are 10x-12x of New connections per second, hence we suggest to amend 100k-120k concurrent connections, keeping 10k connections per second Support.	Tender condition is very clear ,No change is proposed in tender condition
52	Chapter-3-Firewall	Clause 3b- iv	Shall support at least 10 k connections per second	Shall Support atleast 10 k connection per second -- Yes	Tender condition is very clear ,No change is proposed in tender condition
53	Chapter-3	1.2.4.1 SITE PREPARATION, Page 17	Before commissioning of the equipment suitability of available power supply from Railway shall be required to be verified and certified by the contractor and corrective measures if any advised to RailTel/Railway. Once the equipment is switched on, the responsibility for reliability and warranty shall rest with the tenderer and no responsibility shall be assigned to RailTel/Railway	There can be problems in input power at any time which might damage the equipment. Hence the tendered should not be held responsible for any faults that occur in the input power and are beyond his control. Please confirm	Tender condition is very clear ,No change is proposed in tender condition
54	Chapter-3	Network requirement & specification	9. OEMs or OEM service partner should have 24*7 TAC support in India. Relevant document in support of the same shall be submitted.	TAC should be of OEM only and not of his service partner as this would result in degradation of service. Kindly modify the clause to OEM TAC support.	Tender condition is very clear ,No change is proposed in tender condition
55	CHAPTER 4	COMMERCIAL TERMS & CONDITIONS, Page 39	During this period the bidder should provide the one Qualified (L2 Level) Engineer at CNOC (working 6 days a week for 8 Hrs) and Equipment up time should be 99.99 % for redundant system and 99.95% for non redundant System excluding the dependencies on account of RailTel and unforeseen circumstances. If the Bidder fail to achieve uptime as mentioned, the following penalties will be imposed.	The uptime of 99.99% & 99.95% as asked in the RFP means that the equipment can be down for a maximum of approximately 2 hours in one quarter, which is practically not possible unless all the equipment are kept in high availability. Kindly modify this clause to hourly time based on the criticality of equipment in the complete setup.	Tender condition is very clear ,No change is proposed in tender condition
56	CHAPTER 4	4. Delivery Period, Page 41	Road permit will be facilitated by RailTel and shall issue necessary request letter etc. Tenderer are required to obtain the road permit. However, it has no bearing on delivery period.	The Road permit is either issued by the end user or by the respective authorities. The tendered has no control on the timelines for the issuance of Road permit. Hence the time taken for issuance of Road Permit should not be calculated in the Delivery period.	Tender condition is very clear ,No change is proposed in tender condition
57	Chapter 5	BDS	Earnest Money Deposit (EMD)/ Bid Security	It is requested that EMD in the form of Bank Guarantee is also accepted.	Tender condition is very clear ,No change is proposed in tender condition
58	CHAPTER-3	B. NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION, Page 20	4. OEMs of Hardware/Appliance should be having valid ISO 9000 & ISO 14000 certification.	Since the project involves services from Bidder hence it is requested that ISO 20000 certification from Bidder should also be included as pre qualification.	Tender condition is very clear ,No change is proposed in tender condition
59	Chapter 5	Clause 12.2.1 a), 54	ii) The sum total of the turnover of contractual payment received during the last preceding 3 financial years (i.e. current year and three previous financial years) from the date of opening of tender should be Minimum of Rs. 13.14 Crore	Keeping in view the scale and criticality of the project, the turnover as asked in the RFP is very low. It is requested that the turnover requirement should be higher as it establishes the capability of bidder to execute large projects. Suggested limit can be between 50-75 crores.	Tender condition is very clear ,No change is proposed in tender condition
60	Additional Query			Will this RFP be made as a Rate Contract? If so, then what would be the approximate quantities of equipment that may be purchased during the period of rate contract?	Tender condition is very clear ,No change is proposed in tender condition
61	Chapter 3	Chapter 3, 3. Firewall , Page 29	X. The system should support policy-based routing(PBR). It should also support PBR based on tcp, udp and QoS.	This is an enterprise class feature and is not required in a router for carrier class. We request you to kindly remove this clause.	May Kindly Refer the Corrigendum-II
62	Chapter 3	CHAPTER-3	All the switch and router(If part of solution) shall be of the same make(OEM). & All the Server Hardware (If part of Solution) shall be of the same make (OEM).	All the hardware appliances(switch router and server) should be of the same make (OEM).	Tender condition is very clear ,No change is proposed in tender condition
63	Chapter 3	6. UPS 5 KVA, 9. Paralleling .	Parallel able up to 4 units (Required for future expansion of load)	The paralleling as asked is only supported by a very few makes. Most of the UPS are used in 1+1 mode and this provides very satisfactory performance. It is requested that Paralleling up to 2 units is accepted.	Tender condition is very clear ,No change is proposed in tender condition

64	Chapter 3	6. UPS 5 KVA,14. Input Current THDI	<5% with full resistive load	It is requested that this may please be modified to < 8% (Normal Full R Load) as the currently asked range is limited to select makes only.	Tender condition is very clear ,No change is proposed in tender condition
65	Chapter 3	6. UPS 5 KVA,30. Battery AH rating & quantity	120 minutes on 80% load, with minimum 10080 VAH. Vendor to provide calculation for achieve it (full load test will be performed pre-dispatch of material)	Minimum 12480 VAH is required for 120 minutes back-up on 80% load (on O/P PF of 0.9) , so it is requested to kindly modify this clause to Minimum 12480 VAH.	Tender condition is very clear ,No change is proposed in tender condition
66	Chapter 3	6. UPS 5 KVA,36. Acoustic Noise @ 1 Meter	Less than 50 dB @ 1 metre	It is requested that the acoutic noise between 50-60db @ 1 Meter may please be accepted.	Tender condition is very clear ,No change is proposed in tender condition
67	Chapter 3	6. UPS 5 KVA,40. Metered Parameters	Input AC Current	This is specific to select OEMs only. Kindly put some other paramter which is commonly provided by most of the OEMs, like Battery Voltage / Capacity	Tender condition is very clear ,No change is proposed in tender condition
68	Chapter 3	6. UPS 5 KVA,43. Metered Parameters	Output AC Current	This is specific to select OEMs only. Kindly put some other paramter which is commonly provided by most of the OEMs, like Rectifier Fail / Fan fail / Static Switch Fail / Fuse Broken	Tender condition is very clear ,No change is proposed in tender condition
69	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 3(b) Firewall functionality requirement , Point No. xviii	There should 24 DIMM Slots for Memory and Memory upgradable to 768 GB	If expansion up to 768GB is required. And if it can be met by a system with fewer DIMMS but xpandable up to 768GB . Is such a system acceptable?	May Kindly Reffer the Corrigendum-II
70	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 3(b) Firewall functionality requirement , Point No. xviii	Server RAID controller should support the following configurations RAID 0, 1, 5, 6, 10 , 50 and 60 support.	you have asked for RAID 60 support, since RAID 60 requires at least 8 HDDs. Should we presume that the server should be able to accomodate 8 HDDs	May Kindly Reffer the Corrigendum-II
71	chapter 3 (b) NETWORK REQUIREMENTS AND EQUIPMENT SPECIFICATION	clause 3(b) Firewall functionality requirement , Point No. xviii	Proposed Platform shall have Hot Plug min 2 x 300GB SAS 10 K RPM Hardisk .	You have asked for 2x300GB SAS Disks. SATA SSDs offer a higher performance and ideal for the requirement.Will these be acceptable?	May Kindly Reffer the Corrigendum-II
72	chapter 3(C) NETWORK MANAGEMENT SYSTEM	clause 2. The NMS Hardware should support following Hardware specifications	There should 24 DIMM Slots for Memory and Memory upgradable to 768 GB	If expansion up to 768GB is required. And if it can be met by a system with fewer DIMMS but xpandable up to 768GB . Is such a system acceptable?	May Kindly Reffer the Corrigendum-II
73	chapter 3(C) NETWORK MANAGEMENT SYSTEM	clause 2. The NMS Hardware should support following Hardware specifications	Server RAID controller should support the following configurations RAID 0, 1, 5, 6, 10 , 50 and 60 support.	you have asked for RAID 60 support, since RAID 60 requires at least 8 HDDs. Should we presume that the server should be able to accomodate 8 HDDs	May Kindly Reffer the Corrigendum-II
74	chapter 3(C) NETWORK MANAGEMENT SYSTEM	clause 2. The NMS Hardware should support following Hardware specifications	Proposed Platform shall have Hot Plug min 2 x 300GB SAS 10 K RPM Hardisk .	You have asked for 2x300GB SAS Disks. SATA SSDs offer a higher performance and ideal for the requirement.Will these be acceptable?	May Kindly Reffer the Corrigendum-II
75	chapter-3 .B/(1) 24 Port Layer-3 Gigabit Switch with 2x10G SFP+/XFP for IP LAN	Clause 1.h /	Switch shall have minimum of 240 Gbps (full duplex) forwarding bandwidth at layer 2 switching fabric.	240 Gbps Backplane forwarding is tooo high for a 24 port switch with 16K MAC addresses & 256 VLANs.240gbps may be TYPO.	Tender condition is very clear ,No change is proposed in tender condition
76	chapter-3 .B/ (1) 24 Port Layer-3 Gigabit Switch with 2x10G SFP+/XFP for IP LAN	Clause 1.(i)	Switch shall have minimum 360 million packets (64 Byte packets) per second forwarding rate.	360 Mpps forwarding is tooo high for a 24 port switch.it should be 36mpps	Tender condition is very clear ,No change is proposed in tender condition
77	chapter-3 .B/ (1) 24 Port Layer-3 Gigabit Switch with 2x10G SFP+/XFP for IP LAN	Clause 1.(q).(i)	NEBS.....	NEBS is not mandatory for 24port L3 switch , Core switches must have this. pls remove the clause. FCC/CE and UL are sufficient for this kind of switches	Tender condition is very clear ,No change is proposed in tender condition
78	chapter-3 .B/ (2) Supply of 24 Port Layer-3 Gigabit Switch for Storage LAN.	Clause 2.g	Switch shall have minimum of 240 Gbps (full duplex) forwarding bandwidth at layer 2 switching fabric.	240 Gbps Backplane forwarding is tooo high for a 24 port switch with 16K MAC addresses & 256 VLANs.240gbps may be TYPO.	Tender condition is very clear ,No change is proposed in tender condition
79	chapter-3 .B/ (2) Supply of 24 Port Layer-3 Gigabit Switch for Storage LAN.	Clause 2.h	Switch shall have minimum 360 million packets (64 Byte packets) per second forwarding rate.	360 Mpps forwarding is tooo high for a 24 port switch .it should be 36mpps	Tender condition is very clear ,No change is proposed in tender condition
80	chapter-3 .B/ (2) Supply of 24 Port Layer-3 Gigabit Switch for Storage LAN.	Clause 2.(p).(i)	NEBS.....	NEBS is not mandatory for 24port L3 switch , Core switches must have this. pls remove the clause. FCC/CE and UL are sufficient for this kind of switches	Tender condition is very clear ,No change is proposed in tender condition

81	chapter-3 .B/ (4) L3 Switch (48 Port POE)	Clayuse 4.g	Switch shall have all copper ports should be PoE+ capable and shall have min 350 W power budget .	350 W poe budget is not sufficient for a 48 port switch to support PoE+,	Tender condtion is very clear ,No change is proposed in tender condition
82	chapter-3 .B/ (3)/Firewall	Clause 3.a.xiii	The System Hardware/appliance should have NEBS compliant or EAL-3/4 or NDPP certification.	NEBS is not required , EAL-3/4 is sufficient	May Kindly Reffer the Corrigendum-II