

**Government of India**  
**Ministry of Electronics and Information Technology Indian (MeitY)**  
**Department of Electronics and Information Technology (DeitY)**  
**Computer Emergency Response Team (CERT-In)**  
**Electronics Niketan,**  
**6, CGO Complex,**  
**Lodhi Road, New Delhi-110003**

**Tender Document**

**For**

**Procurement of Software License/Tools for Augmentation of Cyber Security**  
**Facilities at CERT-In**

**Tender No. 2(47)/2017-CERT-In**

## TENDER DOCUMENT

CERT-In has been set up to enhance the Cyber Security in Indian Cyber Space. It mainly serves as a central point for responding to Cyber Security Incidents as and when they occur. CERT-In operations are carried out on 24X7 basis.

Director General, CERT-In, invites Sealed Tenders for procurement of specialized tools for carrying out incident response and security audit activities at CERT-In.

All the items as mentioned above are required for use at Indian Computer Emergency Response Team (CERT-In), Ministry of Electronics and Information Technology, New Delhi. Following instructions should be carefully noted and followed by the bidders:

### GENERAL TERMS & CONDITIONS

1. Bidders can download the tender document free of cost from website(<https://eprocure.gov.in>) Tenders by Organization chain (Ministry of Electronics and Information Technology (MeitY) CERT-In
2. Bidders have to submit Technical bid as well as Commercial Bid in Electronic format only on Central Public Procurement Portal (CPPP) (<https://eprocure.gov.in>) website till the Last Date & Time for submission.
3. Bidders who wish to participate in online will have to procure/ should have legally valid Digital Certificate as per Information Technology Act-2000 using which they can sign their electronic bids. Bidders can procure the same from any of the license certifying authority by Govt. of India.
4. A Bid should be digitally signed, for details regarding digital signature certificate.
5. Offers in physical as well as electronic submission have to be submitted before the closing time and date of the tender.
6. The tenderer should also submit their tender in offline mode in two sealed covers separately namely
  - a. E.M.D.
  - b. Technical Supporting Documents Cover
7. . The cover for the bids should bear the following inscription.  
**“Quotation for Procurement of Software License/Tools for Augmentation of Cyber Security Facilities at CERT-In.  
Tender No. 2 (47)/2017-CERT-In**
8. EMD Fee
  - a. Payment should be made by Bankers Cheque/FDR/Bank Guarantee/ Demand Draft Only, payable at New Delhi at any schedule bank.

- b. Payment should be made in favour of "**Pay & Accounts Officer,MeitY,New Delhi.**
- c. In the case of unsuccessful bidders, the EMD will be returned to them without any interest accrued thereon at the earliest after the award of the contract to the successful bidders.
- d. In the case of selected bidder(s), the EMD shall be refunded on receipt of the Performance Security Deposit by way of Bank Guarantee.
- e. Non- payment of the EMD will make the tenderer liable for disqualifications.
- f. Wrong/ Fraudulent data submission may lead to disqualification / debar. Please ensure that you furnish correct data.
- g. Those tenderers who are exempted for payment of EMD must enclosed necessary documents like SSI Registration etc. along with NSIC/DGS&D/CSPO Registration.

#### 9. Technical Bid Submission

- a. The envelope should be marked as "Technical Supporting Documents".
- b. If the suppliers fail to submit the supporting documents offline within time limit, the bidder is liable for immediate disqualification.
- c. The bids should be submitted on or before the time stipulated in Tender notice at the website <https://eprocure.gov.in>. The technical supporting documents in physical form may be submitted at the following address:

(Admin), CERT-In  
Ministry of Electronics and Information Technology  
Ground Floor, Opp. Bank of India Electronics Niketan, 6 CGO Complex,  
Lodhi Road, New Delhi 110003  
Telefax: 011-24366791  
Email: [admcert@cert-in.org.in](mailto:admcert@cert-in.org.in)

#### 10. Commercial Bid Submission

- a. The commercial bid submission should be done on the website only.
  - b. The bids should be submitted on or before the time stipulated in tender notice at the website.
11. No tender will be accepted after prescribed closing time for submission of the same. The delay will not be condoned for any reason whatsoever including postal/transit delay. However, if the last date of submission of tenders is declared as a holiday by the Government, the last date of submission of tenders will be extended to the next working day.
12. The bidder must be a reputed manufacturer or his authorized representative of the type of product offered.
13. The tenders will be opened online on the date, time specified in tender notice.
14. In the first instance, only "Technical bid" will be opened online on the date of opening the tender and taken into consideration for finalization. Subsequently, the "Commercial bid" will be opened online only of those tenderers whose quotations satisfy the technical requirement of the indenter and are otherwise acceptable. The date of opening of commercial bid will be intimated to the qualified bidder.
15. Back out from tender at any interim level during tender processing: - Once the tender is submitted it will be the responsibility of the tenderer not to escape halfway directly or indirectly by way of raising any problems.
16. The technical scrutiny of the items will be carried out by a committee of experts nominated by the DG CERT-In which may also include demonstration / sample testing and the report of the scrutiny committee shall be final and binding upon the tenderer. In case there is a discrepancy in the claim

made by the tenderer and the specifications shown in the product literature / circuit diagram / photograph, reliance will be placed on the specifications shown in the product literature / circuit diagram photograph, ignoring the claim of the tenderer. Any change or alteration in the product literature / circuit diagram/ photograph must be authenticated by the manufacturer and an affidavit from the manufacturer for supplying the item as altered or changed should also be submitted failing which such changes / alterations will be ignored.

## **ACCEPTANCE OF TENDER**

17. The tender is liable for rejection due to any of the reasons mentioned below:
  - a) Non-Submission of tender within stipulated time online.
  - b) Tender is unsigned OR not initialed on each page or with unauthenticated corrections.
  - c) Tender not submitted in separate envelopes as per conditions and the envelopes are not superscribed with details of the tender enquiry and part enclosed.
  - d) Non-payment of Earnest Money Deposit {if not exempted.}
  - e) Non-submission of required documents.
  - f) Conditional and / or vague offers
  - g) Unsatisfactory past performance of the tenderer or any instance where bidder has been named in fraud to the government.
  - h) Rates have been shown elsewhere than as asked for.
  - i) Items with major changes / deviations in the specifications / standard / grade / packing / quality are offered.
  - j) Offering a cheaper accessory not approved / recommended by the manufacturer.
  - k) Offering an accessory as optional even though it is required to operate the instrument.
  - l) Submission of misleading / contradictory / false statement or information and fabricated / invalid documents.
  - m) Tenders not filled up properly.
  - n) Non-submission of authority letter in prescribed format
  
18. DG CERT, reserves the right to consider or reject any or all tenders or close the tender enquiry without assigning any reason at any time at any stage.
  
19. The DG CERT, does not pledge himself to accept the lowest or any tender and also reserves the right to accept the whole or any part of the tender against any item at his discretion. The tender will be accepted if DG CERT, is satisfied about the production, sale, quoted price technical details, utility of products and past performances of tenderer.
  
20. The Cumulative turnover of the bidder should be a minimum of Rs.100 Crores for the last three financial years (2014-2015, 2015-2016, 2016-2017) from sale of hardware, software & services. The cumulative net worth of last 3 financial years should be positive for the bidder organization (2014-2015, 2015-2016, 2016-2017). Documentary proof of the same should be provided in the technical bid.
  
21. The bidder should be an authorized representative of the OEM products or should have authorization from the OEM's authorised representative/ partner who should have adequate facilities, trained manpower and staff for installation, commissioning and after sales service of the equipment.
  
22. The bidder should submit authorization letter issued by the Manufacturer/ OEM or his Authorized partner for items 1,4,5,6,7,8,9 & 23. The MAF should be valid from post publishing date of tender. In case bidder is the authorized representative of any of the products then bidder should provide certificate or partner agreement with respective OEM or letter from OEM validating bidder for

being a partner. For all other items bidder to provide an undertaking that they will support the items for the warranty and the AMC period. It is to be addressed to CERT-In, Ministry of Electronics and Information Technology.

23. The Articles of Association and Memorandum of Association of the bidder are to be submitted along with the certificate of incorporation.
24. The bidder has to provide an undertaking from manufacturer or his authorized partner stating that they would facilitate the Tenderer on regular basis with the technology/product updates and extend support for the warranty period as well. In case such undertaking is not available from the manufacturer/ authorized partner, then the Tenderer should ensure technology/product updates and support of the quoted items for the warranty and AMC period.
25. The bidder should be ISO 9000 Quality certified. Documentary proof should also be submitted in this regard.
26. The bidder should quote the products strictly as per the tendered specifications. Complete Technical details along with make, model number, complete specifications, pamphlets, and literature of the systems highlighting the special features of their offer should be supplied along with the quotation. Bidder should quote for all the items.
27. It is must for the bidder to bid for the software license renewal subscription for the next two years after completion of the warranty period, as applicable. Bids received without the software license renewal quotes will be summarily rejected.
28. The bidder must quote for all the items for a total period of three years including the current year.
  - a. All software items should be quoted for one year onsite warranty and cost for renewal of license, support, update and upgrade for second and third year.
  - b. All hardware items should be quoted for 3 years onsite warranty.
  - c. The SI should keep the system ready with Trial license before generating the license and install the tool immediately.
29. Total cost for the three years including taxes will be considered for calculating the L1 bidder. Orders will be placed for each year separately on successful completion of the previous year.
30. The bidder's bid for the software, as selected to bid, must be for its latest version only as, released by the OEM at that time. Software Version / Equipment Make & Model must be clearly stated by the bidder in both the bids – technical and commercial.
31. The license for the Software Application / Tools should be procured by the qualified bidder in name of "Director General, CERT-In " and relevant document for the same is required to be delivered to CERT-In along with the media with installable software for the softwares, as selected to bid, including the preinstalled softwares. It is the responsibility of the SI to provide media, get tools installed on provided hardware only then the tools will be considered as installed.
32. The equipment / item / software to be supplied should be supported by a Service / Support Centre manned by the technical service / support engineers authorized by OEM.
33. The qualified bidder shall supply all the spares and accessories for installation & commissioning, as may be required during erection, initial operation of the facility till successful commissioning at

CERT-In. The bidder will have to arrange / provide for all the testing equipment & tools required for successful installation, testing & acceptance, maintenance etc.

34. At the time of installation of software tools and license the vendor must provide authenticated file checksum of the software/security tools from the OEM for the verification purpose. The security tools shall be installed only after verification of the checksums.
35. The Bidders should give clause-by-clause compliance for the detailed technical specification of the equipment's/software applications/tools in their technical bids. Compliance of all the terms & conditions, as stated in the Tender document, should also be given. An unpriced 'Bill of Material' for all items as mentioned in the Annexure-I of tender should be submitted for compliance of the specifications and configurations of each of the items as part of technical bid.
36. The bidder shall furnish a compliance statement of specifications & features of offered equipment/items in the Technical Bid as per Annexure-I. Deviation on lower side of specifications will not be considered. Quotes for the latest versions of products only, as available on the closing date, shall be considered. No deviations in terms & conditions of the tender document will be accepted in any case. Complete Technical literature for each of the quoted item from OEM along with make, model number, specifications, configurations, product brochures etc of the systems/software / equipment highlighting special features of their offer should be supplied by the bidder along with the quotation/ technical bid.
37. If, a new version/ model of any software/tools supplied to CERT-In is released by its OEM/ manufacturer within the next six months from the date of delivery; the said supplied software/tool will be replaced by the supplier with the recently released version/model of the item without any extra cost. Bidders should ensure that the provided Hardware should not reach the End of Life (EoL) for the next 3 years.
38. A certificate on company letterhead, stating that the bidder hasn't been blacklisted by any institution/ organization/ society/ company of the central/ state government ministry/department, or its public sector organizations during the last three years, with company stamp and signed by authorized signatory should also be submitted.
39. The bidder should have adequate facilities, trained manpower and staff for installation, commissioning and providing maintenance support service after the sales of the equipment's in India.
40. The bidder will deploy their own manpower for the installation/ integration of the equipment's and should not be outsourced to any third party.
41. For a bidder, who has submitted the tender bids, it will be automatically assumed that he has accepted all the terms and conditions of the tender. A statement specifying that the quotations are strictly as per the terms and conditions of the tender, should be enclosed with the bids. No request for deviation in the terms and conditions of the tender will be entertained. If there is any deviation from the terms and conditions of the tender or the tenderer has submitted conditional bids, the bid will be summarily rejected
42. Bids should be valid for a minimum period of 90 days after the closing of the submission of bids.

43. In case of untoward delay, if any, tenderers may be requested by CERT-In to submit their willingness in writing to extend the validity of the bids for the requested period.
44. Bidders may consider forming consortium if necessary. The qualification and eligibility criteria as provided in the document will have to be met by Principle Partner of consortium who will submit the bid. All the consortium members will share the responsibility jointly and severally. The bid document must clearly bring out the responsibility of each consortium partner.
45. All prices have to be quoted with taxes as final price. No enhancement will be permitted once the order has been awarded.
46. The registration number of the firm along with the CST/VAT /GST No. Allotted by the sales tax department, as well as the pan number of the firm allotted by the income tax department should be submitted, failing which bidder's bid may be rejected,. The bidder should be registered with service tax department of the government of India and copy of the valid service tax registration no. should also be enclosed.
47. **Pre-bid Meeting:** CERT-In shall hold a pre-bid meeting with the prospective bidders on 09th February 2018 in the CERT-In conference room. Queries received, from the bidders, two days prior to the pre-bid meeting shall be discussed.
48. Tenderer is duty bound to observe all the laws, rules, regulations, policies, procedures and guidelines of the central vigilance commission and government of India as in force from time to time.
49. CERT-In reserves the right to accept or reject any bid or cancel tender proceedings without assigning any reason whatsoever.
50. CERT-In reserves the right to change (increase/decrease) the quantity of items to be procured or to place Purchase Order for selected items only, that is, some of the items may be omitted from procurement in entirety.
51. Rates quoted by the bidder shall be final and no negotiation will be held.
52. Incomplete quotations are liable to be rejected.
53. All the pages and drawings forwarded with the quotation should be sequentially numbered and shall be signed by authorized signatory with organization's rubber stamp.
54. In case of any discrepancy between rates mentioned in figures and words, the latter shall prevail.
55. Conditional tenderers, on whatsoever ground, shall not be accepted and summarily rejected.
56. Any attempt of direct or indirect negotiation on the part of the tender with the authority to whom tender bids to be submitted; or with the authority who is competent to finally accept it after the submission of the tender; or any other endeavor to secure any interest or any influence by the tenderer any means for acceptance of a particular tender will render the tenderer liable to be excluded from consideration.
57. The rates are to be quoted by the bidders in Indian Rupees only and payment shall be made to successful bidders in Indian Rupees only. The quotes should mention basic cost and taxes separately for delivery at the premises of the CERT-In, MeitY, New Delhi. All taxes are subject to change as per Government rules. All prices shall be fixed and shall not be subject to escalation of any

description. The rates must be quoted strictly as per the 'Bill of Material' provided in Annexure-I of the Tender Document.

### **SUPPLY**

58. All the items will be supplied at CERT-In, MeitY for inspection and installation by bidder. All the expenses involved in shipping the equipment to the CERT-In will be borne by the bidder. All aspects of safe delivery shall be the exclusive responsibility of the bidder. CERT-In will have the right to reject the component/equipment's supplied, if it does not comply with the specifications at any point of installation/inspections.
59. All licenses for the software and software subscriptions, if any and as applicable, should in the name of Director General, CERT-In. all the licenses should be generated after hardware installation only.

### **INSPECTION**

60. CERT-In or its representative shall have the right to inspect or to test the items to confirm their conformity to the ordered specifications. The supplier shall provide all reasonable facilities and assistance to the inspector at no charge to CERT-In. In case any inspected or tested goods fail to conform to the specifications, CERT-In may reject them and supplier shall either replace the rejected goods or make all alterations necessary to meet specification required free of cost to CERT-In.

### **61. EARNEST MONEY DEPOSIT (EMD)**

The bid must be accompanied by Earnest Money Deposit of Rs. 20 lakhs/- (Rupees Twenty lakhs only) in the form of a Demand Draft/Pay Order/Bank Guarantee/Fixed Deposit Receipt drawn on any Indian Nationalized Bank/Commercial Banks in favour of Pay & Accounts Officer, MeitY, New Delhi. Bank Guarantee should be valid minimum for a period of 90 days from the closing date (original) of the tender. **Quotations received without Earnest Money Deposit are liable to be rejected.**

- (a) Earnest Money is liable to be forfeited and bid is liable to be rejected, if the tenderer withdraw or amend, impairs or derogates from the tender in any respect within the period of validity of the tender.
- (b) The earnest money of all the unsuccessful tenderers will be returned as early as possible after the expiration of the period of the bid validity but no later than 30 days of the issue of the purchase order. No interest will be payable by CERT-In, on the Earnest Money Deposit.
- (c) The Earnest Money of successful bidder shall be returned after acceptance of the material subject to submission of Performance Bank Guarantee of the amount equivalent to 10% of the total price of the items supplied as per the purchase order placed.

This Clause may be read along with clause 8.

62. The Financial Bids of only technically qualified bidders will be opened **online** only of those tenderers whose quotations satisfy the technical requirement of the indenter and are otherwise acceptable. The date of opening of commercial bid will be intimated to the qualified bidder

### **63. WARRANTY**

- (a) All software items should be quoted for one year onsite warranty and cost of renewal of license, support, update and upgrade for second and third year. All hardware items should be quoted for 3 years onsite warranty.



- (b) Warranty shall include free maintenance of the whole equipment/ software supplied including free replacement of parts. The defects, if any, shall be attended to on immediate basis but in no case any defect should prolong for more than 120 hours.
- (c) The bidder shall submit an assurance that for maintenance of the supplied item, inventory of spares will be maintained at least for next five years from the date of supply of the hardware/equipment/software to CERT-In.

**64. DELIVERY & INSTALLATION**

All the items must be delivered and installed/commissioned within 8 weeks of placement of the Purchase Order. Any delay by the supplier in the performance of delivery of items shall render the supplier liable to imposition of liquidated damage as per the respective Clause (next)

**65. LIQUIDATED DAMAGES (LD)**

If the supplier fails to either deliver any or all of the goods or do not complete the installation within the period as specified in the purchase order, CERT-In shall without any prejudice to its other remedies, deduct liquidated damage at the rate of point one percent (0.1%) of the quoted price for the delayed goods for every week or part thereof. Maximum limit of such deduction will be 10% of the cost of delayed goods.

**66. PAYMENT**

- (a) A pre-receipted bill in triplicate in the name of Director General, CERT-In duly supported by purchase order, Delivery Challan, Inspection/Acceptance Certificate after installation, commissioning and testing of the items at site may be submitted to CERT-In for processing of the documents for making the payment.
- (b)
- (i) The supplier may choose to accept 90% of the payment after delivery and satisfactory completion of installation, commissioning, testing and acceptance of the material as well as receipt of pre-receipted bills in triplicate. Bidder may submit the bills after the material is installed, commissioned, tested and accepted and take 10% after completion of warranty as per terms and conditions.

OR

- (ii) The successful bidder shall submit a Performance security of 10% of the cost of equipment and may accept 100% payment after delivery and satisfactory completion of installation, commissioning, testing and acceptance of the material as well as receipt of pre-receipted bills in triplicate. The Performance Security should be in the form of Bank Guarantee of any Indian Nationalized Bank. The Bank Guarantee should be valid for two month more than the duration of the warranty period. In case, supplier fails to provide satisfactory service, the Performance Security submitted by the firm is liable to be forfeited. Performance Security shall be released immediately after the warranty period is over. No interest will be payable by CERT-In on the Performance Security.

**67. FORCE MAJEURE**

During Force Majeure i.e. Acts of God, War, Floods, Riot, Earthquake, General Strike, Lock ants, Epidemics, Civil Commodities, the bidder shall provide their best possible service in given circumstances.

69. **ARBITRATION**

In the event of any dispute or disagreement under or in relation to this agreement or over the interpretation of any of the terms herein above contained or any claim or liability of the party, the same shall be referred to the Sole Arbitrator to be nominated by mutual consent of both parties therein. The intending party will serve notice in writing up on the other party notifying its intension for appointment of Arbitrator should both parties fail to agree on by mutual consent, then CERT-In will appoint the Sole Arbitrator. The provisions of Arbitration and conciliation Act 1996 shall apply. The Arbitration proceedings shall be held in New Delhi. The Arbitrator will give reason for his award and the award passed by the Arbitrator shall be final and binding upon both the parties herein. Such reference shall be deemed to be a submission to arbitration under the Indian Arbitration and Conciliation Act 1996, or of any modifications or re-enactment thereof including the rules framed there under.

**NOTE**

1. The bidder is required to quote as per BOQ.
2. Quoted price bids including taxes for the item plus respective quoted comprehensive renewal charges for that item & taxes for the next two years will be considered for calculating the L1 Bidder.
3. For the software license renewal/ subscription of the software application / tools, the purchase order for the same will be awarded on annual basis to supply and install the license for renewal/ subscription for the respective software for one year, including version upgrades, updates / patches, new cell phone interface cables at CERT-In premises, as & when due / released by the OEM, etc.; subject to satisfactory service provided during the warranty period/ last one year.
4. Payment for the purchase of annual software license / renewal subscription will be made on annual basis on delivery and installation of the same and on submitting the pre-receipted bill in triplicate for the same.
5. 'Bill of Material' is available on website as the Annexure-I.

**Annexure I****Bill of Material**  
**List of specialized security tools**

<b>S/No.</b>	<b>Tool Name</b>	<b>Licencing Scheme/ Model</b>	<b>Part Codes/ No.</b>	<b>Quantity</b>	<b>Compliance (Yes/No)</b>
1	Peach API Security	Subscription/1 year Licence	17IN-PAPI-003	1	
2	BurpSuite v1.7.21 Professional	Subscription / 1 Year License		3	
3	Nessus Vulnerability Scanner with Professional Feed	Annual Subscription	Nessus NP Professional	1	
4	Peach Fuzzer for all protocols	Subscription / 1 Year License	17IN-PFS-003 & 17IN-PFZ-SP2	1	
5	Black Duck HUB	Subscription/ 1 years license for 100 GB Code Size and Black Duck KB On Premise	HUB-PRO-ONPREM-PROJ-BASE100	1	
6	HPE Fortify SCA	Perpetual	TF305AAE & TF325AAE	50	
7	HPE Web Inspect	Perpetual	TA579AAE	1	
8	Acunetix Web Vulnerability Scanner	Subscription / 1 Year License	Standard Edition	1	

9	Metasploit Pro	Subscription / 1 Year License		1	
10	Sawmill Enterprise (1000 profiles)			1	
11	Symantec Encryption Desktop Professional perpetual license for standalone use		The tool to atleast facilitate PGP key signing and encryption at desktop level.	10	
12	DomainTools.com Professional	Subscription / 1 Year License	Personal Product with 8 user licenses	8 user license	
13	Smart Whois	Subscription / 1 Year License		20	
14	Zone-h Attack repository data feed	Subscription / 1 Year License	basic service with access to dedicated portal for file download	1	
15	Maxmind GeoIP2 Databases	Subscription / 1 Year License	Country, City, Organisation and ISP databases	1	
16	Maxmind GeoIP2 Web Services	Subscription / 1 Year License	Country Webservice (1,000,000 lookup subscription) City/ISP/Organisation Web Service (5,00,000 lookup subscription)	1	
17	Pingdom.com Standard Account			1	
18	Shodan Search Engine Subscription	Subscription / 1 Year License	Unrestricted API access and telnet & https search	2	

19	Adobe Acrobat Pro DC	Subscription / 1 Year License		2
20	VMWare Workstation for Linux and Windows			5
21	<p><b>Laptop:</b></p> <p>Intel Core i7- 7th Gen or Higher,(2.5 hz or higher,6MBCache)  16 GB DDR4-2400 SDRAM or higher  Harddisk: 1TB 7200 rpm SATA + 128GB M.2 SSD,</p> <p>NVIDIA GeForce GTX 1050 /4 GB DDR5 dedicated graphics memory  Windows 10 Pro 64, Two USB 3.1 Gen-1 Ports,  One USB 2.0 Port, One Headphone Out /  Microphone-In Combo Jack,  1 HDMI,One RJ-45  Wired LAN–10/100/1000 Gigabit  ,Wireless LAN –Intel Dual Band  Wireless-  AC7265 (802.11ac),  Dual Antennas (2x2),  Integrated Bluetooth 3 or higher,  15.6” LED Backlit Antiglare Display</p>			8

22	<p>MacBook Pro  2.3GHz dual-core  Intel Core i5  Turbo Boost  3.6GHz or higher  Intel HD Graphics  615  802.11ac Wi-Fi  wireless networking;  IEEE  802.11a/b/g/n  compatible  Bluetooth 4.2  wireless  technology  256GB SSD2 or  higher  Up to 10 hours  battery life Force  Touch  trackpad  13.3-inch  (diagonal) LED-  backlit Retina  display</p>			2	
23	<p><b>Server:</b>  Type : rack 1/2 U  Intel Xeon E5-2600 v4  product family  Processor or higher ,  3.5GHz Turbo Boost, or  higher  16 or more processor  cores,  55MB LLC processor  cache,  128 GB DDR4  LRDIMM or higher,  8 X 1TB SAS  (24) LFF/SFF SAS,  1Gb Ethernet Adapter 4  Ports per controller,  Embedded 4-port NIC  controller,</p>			2	

	<p>4 Ports per controller, Embedded 4-port NIC controller, RAID controller with 6 GBPS RAID 0,1,10,5,50; 2 GB cache</p> <p>Memory with battery backup.</p> <p>Operating system support: Microsoft Windows Server 2012 64 bit, Red Hat Enterprise Linux and SUSE Enterprise Linux.</p>				
24	iPhone 7; 128GB			1	
25	<p>Android phone: Dual Sim, VoLTE, 4G LTE (Cat 6)</p> <p>UMTS / HSPA+, NFC Quad Core, 1.8 GHz</p> <p>Processor, 4 GB RAM, 64 GB inbuilt or higher,</p> <p>5 inches or higher AMOLED, 1440 x 2560 px display, 535 ppi, 13 MP Rear + 5 MP Front Camera, Memory Card</p> <p>Support, Android v6.0.1 or later</p> <p>USB-C port for charging and data transfer, Bluetooth version 4.1 LE, 802.11 a/b/g/n/ac 2.4 GHz + 5 GHz with MIMO</p>			1	