



आरईसी पावर डिस्ट्रीब्यूशन कम्पनी लिमिटेड
REC POWER DISTRIBUTION COMPANY LIMITED

(A wholly owned subsidiary of REC Ltd., a 'Navratna CPSE' under Ministry of Power, Govt. of India)

CIN No. RECPDCL-U40101DL2007GOI165779

Corporate Office: 1016-1023, 10th Floor, Devika Tower, Nehru Place, New Delhi-110019

Tel: 011-44128755 Fax: 011-44128768, Website: www.recpdcl.in, E-mail: co.delhi@recpdcl.in

Regd. Office: Core-4, SCOPE Complex, 7 Lodhi Road, New Delhi-110003, Phone (011) 43091506 Fax: (011) 24365815

Notice Inviting Tender

(Tender invited through e-Tendering mode only)

for

Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at RECPDCL New Premises-Kribhco Bhawan, Noida.

Tender No. RECPDCL/IT/Network/2016-17/3050

Description of task, Pre-qualifying criteria, e-tender submission format and procedure is available on REC Power Distribution Company Limited (RECPDCL) website (www.recpdcl.in), Rural Electrification Corporation (REC) website (www.recindia.nic.in), Central Publication Portal (www.eprocure.gov.in)

Important Dates for e- Tendering mode	
Date of Release of NIT	22.12.2016
Last date for queries / seeking clarification	29.12.2016 at 1430 Hours
Pre Bid Meeting	29.12.2016 at 1500 Hours
Last date of submission of Tender	06.01.2017 at 1500 Hours
Date of Opening of Technical bid	06.01.2017 at 1600 Hours
Date of Opening of Financial bid	To be intimated later

Note:

Online registration shall be done on e-tendering website i.e. www.tenderwizard.com/REC & in general, activation of registration may takes 24 hours subject to the submission of all requisite documents required in the process.

-Sd-

(S.C. Garg)
Addl. C.E.O

[This document is meant for the exclusive purpose of Agencies participating against this bid and shall not be transferred, reproduced or otherwise used for purposes other than that for which it is specifically issued]

INDEX

Sl.NO.		Particulars	Page no.
1	SECTION-I	TENDER INFORMATION	3
2	SECTION-II	PREFACE	4
3	SECTION-III	INSTRUCTIONS TO BIDDERS	7
4	SECTION-IV	SCOPE OF WORK & SERVICE LEVEL AGREEMENT	9
5	SECTION-V	GENERAL CONDITIONS OF TENDER	31
6	SECTION-VI	ELIGIBILITY CRITERIA	35
7	SECTION-VII	TENDER EVALUATION METHODOLOGY	37
8	SECTION- VIII	TENDER FORMS	40

SECTION-I

TENDER INFORMATION

Name of the assignment:

Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at RECPDCL New Premises-Kribhco Bhawan, Noida.

Important information

S. No.	Event	Information to the agencies
1	Date of Release of NIT	22.12.2016
2	Last date for queries / seeking clarification	29.12.2016 at 1430 Hours
3	Pre Bid Meeting	29.12.2016 at 1500 Hours
4	Last date of submission of Tender	06.01.2017 at 1500 Hours
5	Date of Opening of Technical bid	06.01.2017 at 1600 Hours
6	Date of Opening of Financial bid	To be intimated later
7	Pre- Bid Meeting Address	REC Power Distribution Company Limited, 1016-1023, 10 th Floor, Devika Tower, Nehru Place, New Delhi- 110019, India Fax : 011-4128768
8	Tender Document	The details can be downloaded free of cost from the websites www.recpdcl.in (or) www.recindia.nic.in (or) www.eprocure.gov.in (or) www.tenderwizard.com/REC
9	EMD #	Rs. 25,000/- (Rupees Twenty Five Thousand Only)
10	Address for Bid submission	Shri Subhash Chandra Garg, Addl. Chief Executive Officer, REC Power Distribution Company Limited, 1016-1023, 10 th Floor, Devika Tower, Nehru Place New Delhi- 110019, India. Fax : 011-4128768 Email- co.delhi@recpdcl.in / scgarg@recpdcl.in
11	Contact Person	Shri. Ajay Kumar , Chief Technical Officer REC Power Distribution Company Limited (RECPDCL) Phone:011-44128767; Fax:011-44128767 Email-co.delhi@recpdcl.in / ajay.kumar@recpdcl.in

The EMD (Earnest Money Deposit) is to be submitted by all the participating Bidders in the form of demand draft/Bank Guarantee of an amount of Rs.25,000/- (Rupees Twenty Five Thousand only) of any schedule Indian bank in favor of REC Power Distribution Company Limited, Payable at New Delhi .The EMD of unsuccessful Bidder will be returned within 180 days from the period of expiry of NIT and EMD of successful Bidder will also be returned after acceptance of work order and submission of PBG (Performance Bank Guaranty) i.e. 10% of the Contract Value (within 30 days from receipt of PBG).

- The bid shall remain valid for a period of 180 days from the date of bid submission.
- The firms registered with National Small Industries Corporation (NSIC)/ Micro, Small and Medium Enterprises (MSME) are exempted against submission of EMD however, related valid document /certificate from NSIC/MSME registered with Central/State Government of India should be submitted
- An incomplete and/or ambiguous and/or conditional and/or late response is liable to be ignored/ summarily rejected.

SECTION-II

PREFACE

REC Power Distribution Company Limited (RECPDCL), registered office at Core-4, SCOPE Complex, 7, Lodhi Road, New Delhi- 110003 an ISO 9001:2008,14001:2004 certified & OSHAS 18001:2007, a wholly owned subsidiary of Rural Electrification Corporation Ltd (REC), a “Navratna CPSE” under the Ministry of Power, Govt. of India is engaged in providing value added consultancy services in power sector arena covering Power Generation, Transmission & Distribution (T&D), Renewable Energy Sector and Energy Efficiency programs including Govt. of India’s power schemes for power utilities across the country and various regulatory assignments with SERCs. It includes the project works under Rural Electrification (RGGVY), PMC works of RGGVY/DDUGJY, DPR preparation for R-APDRP/ RGGVY/NEF/DDUGJY/IPDS and other power projects scheme, Third Party Inspection, Feeder Renovation Program, Feeder separation, HVDS program, Lender’s Engineers assignment, IT related assignments in Distribution sector including Energy Audit, Evaluation study for HVDS/Distribution network, AT&C Loss assessment, system study, MRI based billing and Cost Book Data Preparation as per the need of the power utilities, Regulatory Commission across the country.

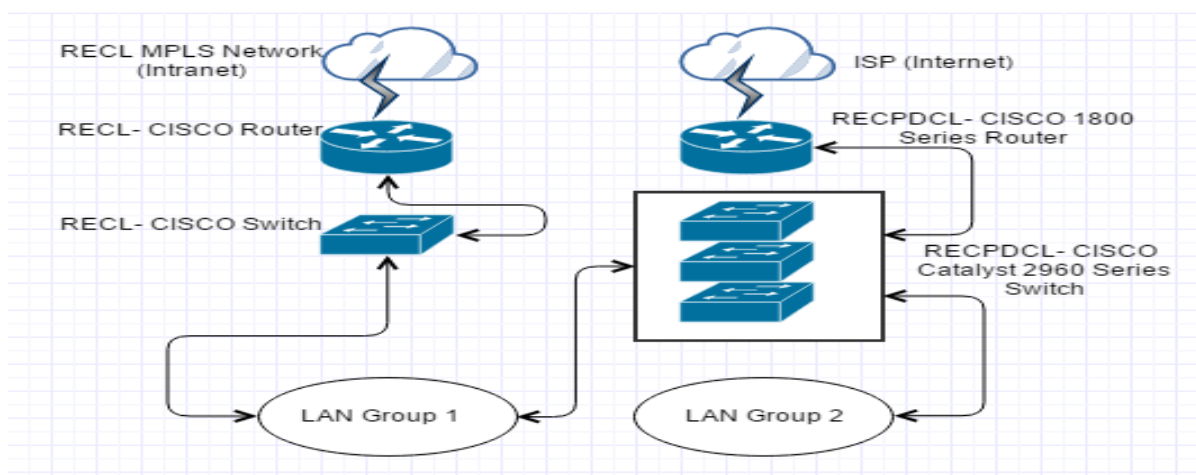
Objective

To meet the future challenges in the area of Network communication, Security and Storage it is looking forward to install the Servers, Switches, Storage, Firewall security appliance, BYOD solution through Wi-Fi connectivity etc. and various other features required for the installation of Gigabit Ethernet LAN Network at RECPDCL new premises, KRIBHCO Bhawan, Noida

Existing Network & Server Components in RECPDCL are detailed as below:

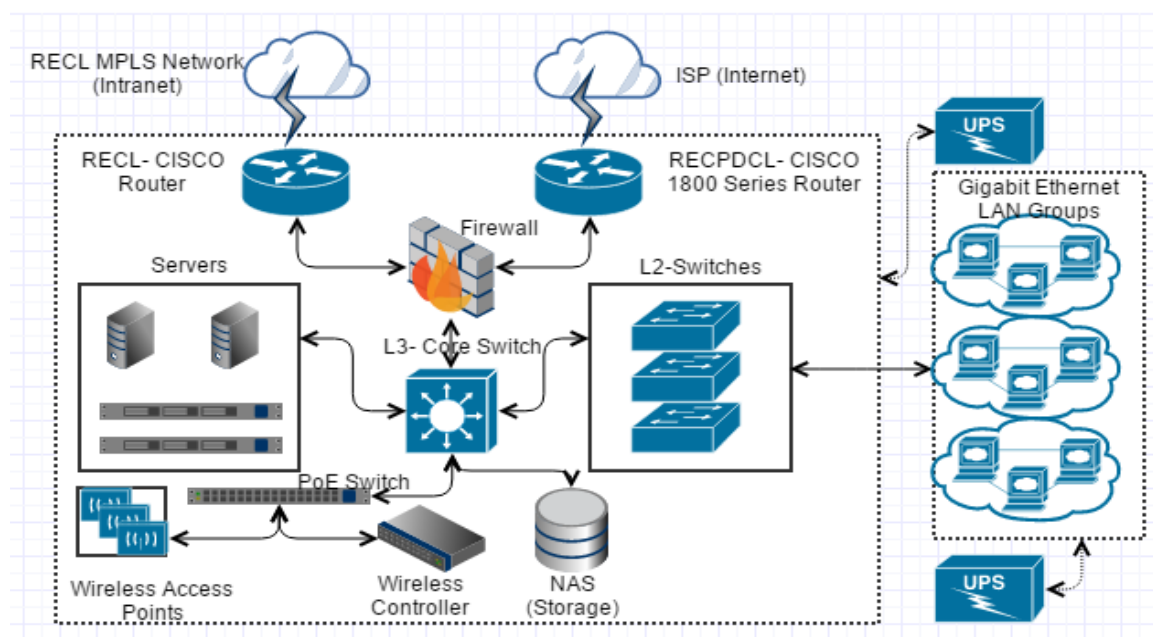
- CISCO 1800 Series Router
- 3 no. of 24port CISCO Catalyst 2960 Series Switch
- 2 no. of tower model IBM Servers

Existing Network Schematic:



Proposed Network Architecture:

The Requirement/Technical Specifications for the Project, as detailed below are drawn up to meet the following overall objectives. The proposed network tentative architecture for RECPDCL Gigabit Ethernet LAN is shown below:



The Major Responsibilities of the bidder shall include:

RECPDCL is intending to engage a bidder for Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at New Premises of RECPDCL, Kribhco Bhawan, Noida.

1. Gigabit Ethernet LAN Connection in RECPDCL using Network active & passive components
2. Firewall (UTM) for secure network connection
3. Rack Servers should be install and commission for deployment of Critical & Internal applications
4. Network Attached Storage (NAS) for backup for data.
5. Wi-Fi Solution for RECPDCL indoor premises.
6. Training on Installation, Configuration & Operational for Network Active & Passive Components- CCNA (Switching & Routing), Windows & Linux Server- MCSE & RHEL, UTM- Firewall appliance, Wi-Fi System and any other as required for successful operation of all devices.

The tentative items are detailed in Table-I

TABLE-I

S.No.	Item	Quantity
1.	24 Port Layer 3 Gigabit Ethernet Manageable Switch	1
2.	48 Port Layer 2 Gigabit Ethernet Manageable Switch	3
3.	19inch - 42 U Rack	1
4.	Unified Threat Management (UTM)- Firewall Appliance	1
5.	Rack Server	2
6.	Network Administrative Console PC	1
7.	NAS	1
8.	WiFi Setup (Includes Wireless Controller, Switch, Access Points)	1

Quantities are tentative, payment will be made as per actual Purchase Order on pro-rata basis.

Note:



REC Power Distribution Company Limited

- I. Customization to meet RECPDCL requirements may be done to existing product(s), In case such product(s) meet the **scope of work (Section-IV)** and the technical requirements/specifications.
- II. The bidder should bid for all of the items as listed above, also it is mandatory that all necessary items specified for an item (if any) must be quoted.
- III. In case all the items inclusive of warranty and maintenance are not quoted then the bid shall be summarily rejected.
- IV. The Approximate Quantities as indicated above are estimates for the initial immediate order only however RECPDCL reserves the right to order varied quantities of individual line items.
- V. Supervision of commissioning and Three year comprehensive warranty maintenance of supplied equipment by certified/ qualified and trained engineers/personnel only.
- VI. The major responsibilities as specified above are indicative only and are not Exhaustive in any manner.



SECTION-III

Instructions to Bidders

Submission of Bid

Bidders shall submit their responses online through e-tendering website www.tenderwizard.com/REC

A. The submission and opening of Bids will be through e-tendering process.

Bidder can download Bid document from the RECPDCL web site i.e. <http://www.recpdcl.in> or www.recindia.nic.in or www.eprocure.gov.in and RECPDCL's e-tendering portal i.e. www.tenderwizard.com/REC

(Note: To participate in the e-Bid submission, it is mandatory for agency to have user ID & Password. For this purpose, the agency has to register them self with REC PDCL through tender Wizard Website given below. Please also note that the agency has to obtain digital signature token of class-III for applying in the Bid. In this connection vendor may also obtain the same from tender Wizard.)

Steps for Registration

- (i) Go to website <http://www.tenderwizard.com/REC>
- (ii) Click the link 'Register Me'
- (iii) Enter the details about the E-tendering as per format
- (iv) Click 'Create Profile'
- (v) E-tender will get confirmation with Login ID and Password

Note- Online registration shall be done on e-tendering website i.e. www.tenderwizard.com/REC & in general, activation of registration may takes 24 hours subject to the submission of all requisite documents required in the process. It is sole responsibility of the bidder to register in advance.

B. Steps for application for Digital Signature from Bid Wizard:

Download the Application Form from the website <http://www.tenderwizard.com/REC> free of cost. Follow the instructions as provided therein. In case of any assistance you may contact RECPDCL officers whose address is given at the Bid.

Bid to be submitted through online mode on website www.tenderwizard.com/REC in the prescribed form.

C. The Agency qualifying the criteria mention in section VI should upload Bid document with duly signed scanned soft copy of the documents given below for the prequalifying response:

Pre- Qualifying Criterion Documents/Technical Bid

- 1 Form-I -----Letter of submission of Tender
- 2 Form-II -----Pre-Qualifying Criteria Details
- 3 Form-IV-----Manufacturer Authorization Form
- 4 Form-V----- Format for no-deviation certificate
- 5 Form-VI----- Acceptance form for participation in reverse auction event
- 6 Form-VII----- Letter of Transmittal
- 7 Annexure-A ----- Earnest Money Deposit (EMD) Bank Guarantee format
- 8 Annexure-B ----- Performance Bank Guarantee format



REC Power Distribution Company Limited

- EMD of Rs.25,000/- in form of DD or Bank Guarantee may be drawn from a scheduled commercial bank in favour of The “REC Power Distribution Company Ltd”, New Delhi and scanned copy to be uploaded and original to be submitted before the last date & time of Submission of Tender.
- The firms registered with National Small Industries Corporation (NSIC)/ Micro, Small and Medium Enterprises (MSME) are exempted against submission of EMD however, related valid document /certificate from NSIC/MSME registered with Central/State Government of India should be submitted

Financial Bid

1. Form-III-----Financial Proposal (to be submitted through online mode only)

Financial bid to be submitted in the specific format designed same may be downloaded from website www.tenderwizard.com/REC and after filling the form it is to be uploaded through digital signature.

The all document should be addressed to.

Addl. Chief Executive Officer REC Power Distribution Company Ltd. 1016-1023, 10th Floor, Devika Tower, Nehru Place, New Delhi - 110019

(Note: All papers that comprise the Bid document of the concerned Bid must be numbered. An index of each page should also be provided)

SECTION-IV

SCOPE OF WORK & SERVICE LEVEL AGREEMENT

1. Detailed Scope of Work

1. Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi Setup for IT Implementation at New Premises of RECPDCL, Kribhco Bhawan, Noida.
2. All supplied items must conform to the detailed technical specifications mentioned in this tender document and shall be satisfied after installation of the servers and various network components and System Integration
3. The Bidder shall also be responsible for manufacture, inspection at manufacturer's works, supply, transportation, insurance, delivery at site, unloading, storage, complete supervision, successful installation, commissioning and user acceptance of all hardware and software at site.
4. The vendor has to offer the price for Comprehensive AMC for all the installed systems including hardware & software components of the network, Server, UTM, Storage and Wi-Fi Setup for a period of 5 years which includes a warranty period of three years from the date of commissioning and there after an AMC period of two years.
5. Successful bidder will be responsible for design and configuration of complete operational of Server Room using active & passive components.
6. Servers and network systems should have enough flexibility to accommodate future expansions in terms of number of nodes, technology up-gradation, incorporation of new facilities etc.
7. RECPDCL shall also be adding state of the art technologies like video conferencing, Voice Over IP(VOIP) etc. in near future. The Servers and network systems should be able to incorporate these technologies without any major modification.
8. Testing of the various installed components as per established practices. On award of the contract, Vendor shall submit a detailed testing procedure proposed to be adopted for RECPDCL's approval. Coordinating the commissioning activities with other agencies, if any, involved in the PROJECT, in such a way that the entire PROJECT is commissioned and handed over to the RECPDCL in an entirely satisfactory manner.
9. The basis and guiding philosophy for the selection/design of the servers and other network elements shall be to provide a total solution based on the overall objectives, as detailed herein. The solution offered shall use the latest technology and equipment in the most economical way.
10. All servers and network systems shall be capable of IPV6 to meet the statutory requirements of the future.
11. All products, Specifications, solutions and implementation techniques shall be in accordance with the highest accepted international standards for this kind of solutions and on the proposed product
12. The Tenderer shall also state, where applicable, the National or other International Standard(s) to which the whole or any specific part of the solution or system complies
13. The bidder will have to offer for Acceptance testing of the installed products.
14. Bidder should co-ordinate with the interior design agency and architect for any changes required in installed premises. If any components are required bidder should supply and installation of passive components for successful completion of project in RECPDCL
15. The installation and configuration of all components, including the method of stacking, up-Linking of the various switches, shall be done in such a way that the network should provide an assured Gigabit Ethernet LAN Connection at each terminal.
16. Installation & commissioning of the existing components (switches/router) as per requirement of RECPDCL.



REC Power Distribution Company Limited

17. Supply, install and commission if any passive components are required like cat6/fibre optic cables, jack panels, cable manager, etc.
18. Supply installation and commissioning of various types of cables such as power cables, communication cables, patch chords etc as required for the successful installation and commissioning of server/network system.
19. Ensuring proper functioning & connectivity of network components, Networking and peripherals at RECPDCL such as Printers, Plotters, Scanners, Fax Machines, etc
20. Supply, installation and commissioning of surge protection system for data lines (especially for the communication co-axial cables).
21. The bidder will have to provide proper labeling of all components, cable numbering, rack designs, asset list, etc. as per industry standards.
22. Supply, installation and commissioning of Wi-Fi Services in Board room, Training room, CEO, Addl.CEO cabins and other area based on feasibility survey.
23. Provide a PC console as per the technical specifications mentioned elsewhere with all the required soft wares for monitoring and administration of the Servers and Network by the administrator and to be installed in the adjacent Administrator Room.
24. Floor standing RACKS with redundant power supplies and accessories etc. for servers, multiple networking equipment's like network switches, routers, storage devices, Unified Threat Management (UTM) appliances, patch panels, cables, modems etc.
25. Network Attached storages should be configured as per the requirement of RECPDCL.
26. The Firewall (UTM) should be installed between RECPDCL system and the external network to restrict access and protect against threats and undesirable intrusions.
27. The bidding firm, if required, may survey the RECPDCL new premises to assess the quantum of work with prior permission of RECPDCL.
28. As part of RECPDCL plan to achieve the above objectives, tenders are invited from experienced Vendors to take up the PROJECT on a turnkey basis.
29. Any item though not specifically mentioned, but is required to complete the project works in all respects for its safe, reliable, efficient and trouble free operation shall also be taken to be included and the same shall be supplied and installed by the Bidder without any extra cost.
30. The bidder's proposal shall include the list of special tools, testing equipment and accessories required for day to day operation and maintenance of the supplied equipment. All such tools shall be supplied by the bidder. The bidder should clearly bring out the list of such tools along with itemized price in the bid. However the prices of these special tools shall be included in the lump sum bid price and would be considered for the bid evaluation.
31. Supply, installation and commissioning of all associated software, tools etc. as applicable in all equipment is in the scope of bidder. Bidder shall supply two copies of media of all software and tools installed and commissioned.
32. Packaging and transportation from the manufacturer's work to the site including port and customs clearance will be borne by the bidder.
33. Receipt, storage, preservation and conservation of equipment at site is in the scope of bidder.
34. Insurance of all equipment from manufacturer's site till installation, commissioning, handing over and user acceptance will be borne by the bidder.
35. Bidder shall maintain the mandatory and recommended spares during warranty and AMC period and provide the list of the same.
36. Bidder shall install the equipment, obtain user acceptance and submit a copy of user acceptance to designated authority.



REC Power Distribution Company Limited

37. Whenever a material or article is specified or described by the name of a particular brand, manufacturer or trade mark, the specific item shall be understood as establishing type, function and quality desired. Products of other manufacturers may also be considered, provided sufficient information with necessary certificates and documents are furnished so as to enable the RECPDCL to determine that the products are equivalent to those named. The Decision of RECPDCL shall be final and binding on the bidder in this regard. In case bidder proposes the products of other manufacturer, necessary certificates and documents shall be submitted along with the bid.
38. The bidder shall provide 3 years onsite warranty and 2 years Annual Maintenance Contract (AMC) of all supplied, installed and commissioned equipment as per Service Level Agreement (SLA).
39. The Bidder shall be responsible for providing all material, equipment and services specified or otherwise, which are required to fulfil the intent of ensuring operability, maintainability and the reliability of the complete work covered under this specification.
40. It is not the intent to specify all aspects of design and installation of associated systems mentioned herein. The systems, sub-systems and equipment/devices shall conform in all respect to high standards of engineering, design and workmanship, and shall be capable of performing continuous commercial operation
41. The bidder shall also provide all the construction equipment, tools, tackles and testing kits/equipment required for pre-assembly, erection/installation, testing and commissioning of the equipment and system covered under the Contract. He shall submit a list of all such materials to the Engineer before the commencement of work at Site. These tools and tackles shall not be removed from the Site without the written permission of the Engineer-in-charge.
42. The bidder shall make his own necessary arrangements like, Office, Store, Transportation and Boarding & lodging arrangement for their personnel.
43. The bidder should provide setup and operational training to RECPDCL.
44. The bidder should provide technical manuals, documentation, product information, Troubleshooting guides etc. to RECPDCL.
45. The Bidder shall include in his scope of supply all mandatory and commissioning spares related to Hardware requirements. The bidder has to quote for the mandatory spares requirement for 5 years operation after warranty period. List of such spares along with the quantities shall be indicated in the bid and shall be considered for bid evaluation purpose.
46. Each spare part shall be clearly marked and labelled on the outside of the packing together with the description when more than one spare part is packed in single case. A general description of the contents shall be shown on outside of the case and detailed list enclosed. All cases, containers and other packages must be suitably marked and numbered for the purpose of identification.
47. The Bidder's scope of work as per the conditions of contract and technical specifications includes assembly, quality check, packing, supply, transportation, transit insurance, local delivery, receipt, unloading, handling, storage at RECPDCL, conduiting, cabling, installation, testing and commissioning of all equipments at RECPDCL with its associated peripherals and also include documentation, warranty, and training of Owner's personnel for the said System.
48. The Bidder's responsibility shall specifically include the following :-
 - i. Any software updates, upgrades released till the completion of warranty and AMC period shall be supplied free of cost and installed and commissioned free of cost as per instructions from owner.
 - ii. The Bidder shall post his Service Engineers at RECPDCL Site till the completion of Acceptance test.

49. GENERAL REQUIREMENTS:

REC Power Distribution Company Limited

1. The specifications indicated in the bid are minimum, and vendor is required to comply and quote for all the necessary modules / components / equipment for successful implementation of the project.
2. The offered system should be of the latest make, state-of-the-art technology and new. At the time of dispatch of the hardware, if the offered equipment is rendered obsolete / End of Life by respective OEMs, higher version of model (of same make) is to be offered by the vendor with the consent of RECPDCL without any upward price implications.
3. The equipment / system offered must conform to the minimum technical requirements as spelt out in the technical specifications/special requirements.
4. Vendor shall indicate make & model of the quoted systems along with relevant detailed Technical catalogues/brochures. The Technical information shall be exhaustive to evaluate the respective systems.
5. The Servers & Network Components shall be Rack mounted.
6. The offered systems must be rugged, and designed for round-the-clock, uninterrupted operations with high reliability and minimal downtime.
7. The system shall be able to detect and bypass failure components and support Automatic system Recovery after reboots.
8. Major components, including power supplies, fans, etc. should have redundancy.
9. Provision to upgrade/add new hardware like Memory, Disks etc. All the systems shall be scalable wherever possible.
10. Server OS Windows Server 2012, 64 bit, standard editions software with Media License and Antivirus Software with latest signature updates.
11. The windows server 2012 shall be with features like Directory services, DNS services, DHCP services, File and Print services, Terminal services, Windows media services, File share, Network Access Protection, virtualisation, Web and application services, Windows deployment services, Management services, Active directory etc as minimum.
12. The servers shall work along with the NAS storage and shall ensure connectivity as per the technical details mentioned.
13. The successful bidder must furnish a list of all the license numbers of the pre-loaded/ Media Operating System.
14. Supply Unified Threat Management (UTM) (firewall) appliance with all required licenses
 - Security feature like IPS (Deep Inspection/Intrusion Prevention), Gate way Antivirus (includes Anti-Spyware, Anti-Phishing) Anti-Spam, Web filtering.
 - Network security/ Access control features like firewall, IPsec VPN, NAT, DoS protection, user authentication, auto-Connect VPN
 - Rich networking and virtualisation capabilities such as Segmentation (Zones, VLANs) to divide the network into secure segments. Combines ScreenOS deployment modes, dynamic routing etc.
 - Separate Policy should be configured for LAN Groups/Users and WiFi Groups/Users.
 - Should support Load balancing with minimum three different ISPs.
15. Vendor should specify Power & heat load under fully equipped condition.
16. All the systems must work with 230+/-10% Volts, 50Hz +/- 6% single phase, or 415+/- 10% Volts, 50 Hz +/- 6% three phase AC power supplies.
17. It will be the sole responsibility of the vendor to install, commission and integrate all the new hardware and software for the complete integration of the systems, computers/workstations and peripherals in LAN Network as per the industry standard practice.
18. All the startup kits as may be required for commissioning the system are to be offered.
19. All the required hardware, software, accessories and peripherals in addition to what mentioned above for the successful completion of the proposed RECPDL computer networking system shall also be under the scope of the vendor.
20. The contractor shall depute requisite skilled personnel for configuration and support functions whenever requested by RECPDCL.
21. The contractor shall submit Installation Report and Certificate signed by SI and RECPDCL along with NMS report. Open source NMS can be used for giving NMS report. NMS reports for Acceptance Testing to be arranged by the successful bidder. After the installation & acceptance of the product by RECPDCL, the contractor has to provide support to RECPDCL for the product during the warranty period for the following:

REC Power Distribution Company Limited

- Product Support
 - Operation System Installation and Upgradation
 - Patch Management
 - Configuration Change Support
 - General Maintenance Support
22. All goods/materials shall be supplied strictly in accordance with the specifications. No deviation from such specifications of these conditions shall be made without RECPDCL's agreement in writing, which must be obtained before delivery of the product. All the materials furnished by the successful Tenderer, pursuant to the contract (irrespective of whether engineering / design or other information has been furnished, reviewed or approved by RECPDCL) shall be guaranteed to be of the best quality of their respective kinds. The goods/materials used by the contractor shall be of proper quality so as to fulfill in all respects the operating conditions and other requirements specified in the contract.
23. During the Warranty/AMC period, if any trouble or defect originating with the design & operating characteristics of equipment installation, Commissioning of the equipment, the contractor at its own expense and at no cost to RECPDCL shall as promptly as possible make such alterations, repairs and replacements at site as may be necessary to permit the functioning of the equipment in accordance with the specifications. Repaired or replaced goods shall be similarly guaranteed for a period as per contract terms from the date of reinstallation.
24. The contractor has to interface with new elements added to existing network of RECPDCL during the span of Warranty/AMC period. The contractor has to coordinate and ensure that the integrated network is operational.
25. RECPDCL may at its option remove such defective material at the contractor's expense, if the contractor does not act reasonably after being informed.
26. In the event that the materials supplied do not meet the specifications and/or are not in accordance with the drawings, data sheets and rectification is required at site, RECPDCL shall inform the contractor giving full details of deficiencies. The contractor shall attend at its own expense to meet and come to an agreement with representatives of RECPDCL the action required to correct the deficiencies and rectify / replace to make the system functional as per specifications.
27. None of the supplied components should be end of sale by the OEM prior to the date of commissioning & end of life prior to Warranty/AMC period.
28. The contractor will ensure all the coordination and responsibility with the RECPDCL for repair/replacement and maintenance activities,
29. If the contractor fails to implement and demonstrate the same as required by RECPDCL it would be construed as a breach of terms and conditions of contract and action would be taken accordingly.
30. The equipment delivered by the successful bidder is responsible for integrating with existing RECPDCL devices.
31. The contractor has to make provision of keeping spare devices for the devices proposed by the contractor for the above proposal, the quantity of the spares has to be sufficient to meet the performance parameters as specified by RECPDCL. This shall be reviewed by operation team.
32. All the devices proposed should be Rack Mountable wherever so required.
33. The contractor shall explicitly absolve RECPDCL of any responsibility / liability for use of system / application software delivered along with the equipment, (i.e. the contractor shall absolve RECPDCL in all cases of possible litigation / claims arising out of any copyright / license violation) for software(s) published either by third parties, or by themselves.

50. Installation Material:

1. Vendor shall supply necessary installation material for carrying out the Equipment installation based on the best practices of Industry. As guide lines some of the installation material requirement is given as under. The lengths shall be finalized after the site survey.
2. Required number of inter- connecting cables(power/data), connectors as required to fulfil the successful completion of the project.



REC Power Distribution Company Limited

3. Associated Cables required for various equipments as required shall be supplied, installed, and commissioned by vendor.
4. All the installed equipment shall be provided with proper grounding as per standards.

51. Wiring, Cabling, Termination and Tag

1. All internal signal wiring, etc. shall be tagged at each end, with the number corresponding to the designation shown on the appropriate drawings.
2. Suitable wire ways for all internal/external cables entering the cabinet shall be provided with the system.
3. Pre-wired connectors shall be used where ever possible to reduce on-site wiring installations and to facilitate interchangeability.
4. Vendor/agency should replace or install existing internal/external cables/conductors or any other item at the site of installation if required at time of installation and commissioning of all above equipments at its own risks and cost to complete the project as desired by RECPDCL.

52. POST INSTALLATION SUPPORT

1. During the DLP period of onsite comprehensive warranty (Onsite warranty will include those sites to which the item is supplied under the contract is moved, in case of migration of the equipment along with accessories for replacement).
 2. The contractor shall conduct the training in RECPDCL. The batch may tentatively consist of 5 members.
 3. Timeline for training will be finalized with the successful vendor post selection as mutually agreed dates.
 4. Faculty/Trainer/Instructor should be well qualified, experienced and theoretical & practical knowledge on below modules.
 5. Training on Installation, Configuration & Operational for following items:
 - i. Network Active & Passive Components- CCNA (Switching & Routing)
 - ii. Windows & Linux Server- MCSE & RHEL
 - iii. UTM-Firewall appliance
 - iv. Wi-Fi System and any other as required for successful operation of all devices
 - v. RECPDCL Network Administration and Management
 - vi. Diagnosis /Trouble shooting of Network problems and corrective measures.\
 - vii. Operation Training of NAS and other equipments as per scope of tender.
 6. Vendor shall submit detailed training plan for a total period for each module can be one week approximately, indicating the subjects proposed to be covered and the period of training required for each topic.
 7. Vendor should provide proper training materials, manual, etc. in Soft/Hard copy.
53. The Scope of this requisition covers providing solution to the RECPDCL server, network system and other equipment requirements, after getting approval of RECPDCL and then to Design, supply, Transportation of items, storage, safe custody, transportation and handling at site, installation, testing, commissioning, preparation and submission of drawings/documents and handing over of the following on turnkey basis

2. Detailed Technical Specification

- The supplier shall submit the data sheets for each of the equipment model detailing the specifications of the equipment.
- The equipment models shall be supported by the OEM for a minimum period of next five years.

Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at RECPDCL New Premises (Kribhco Bhawan, Nodia).

1. 24 Port Layer 3 Gigabit Ethernet Manageable Switch:

S.No.	Minimum Technical Specifications	Compliance (Yes/No)
1	Make: CISCO	
2	Model: (Bidder Should Specify)	
3	Architecture	
	Shall be 1RU, 19" Rack Mountable	
	Layer 3 Switch should have 24 RJ-45 autosensing 10/100/1000 Base- T ports and 2/4 x 10G SFP/SFP+ ports or higher to support 1G/10G transceivers	
	1 RJ-45 serial console port	
	1G or higher of Memory and 512MB of Flash Memory	
	Shall have switching capacity of 120 Gbps or higher	
	Shall have up to 95 million pps switching throughput or higher	
	Should be Stackable with support of minimum 160G stacking performance per switch and stacking ports shall be additional to ports required above; all module and accessories required for stacking shall be given on day 1	
4	Resiliency	
	Shall have the capability to extend the control plane across multiple active switches making it a virtual switching architecture, enabling interconnected switches to perform as single switch	
	Switch should support stacking upto 5 devices	
	Shall support redundant power supply	
	IEEE 802.1D Spanning Tree Protocol, IEEE 802.1w Rapid Spanning Tree Protocol and IEEE 802.1s Multiple Spanning Tree Protocol	
	IEEE 802.3ad Link Aggregation Control Protocol (LACP)	
5	Layer 2 Features	
	16K MAC address table	
	Shall support up to 4,000 IEEE 802.1Q-based VLANs	
	Shall support GARP VLAN Registration Protocol or equivalent feature to allow automatic learning and dynamic assignment of VLANs	
	Shall have the capability to monitor link connectivity and shut down ports at both ends if uni-directional traffic is detected, preventing loops	
	Shall support Jumbo frames on GbE ports	
	Internet Group Management Protocol (IGMP)	
	Multicast Listener Discovery (MLD) snooping	
	IEEE 802.1AB Link Layer Discovery Protocol (LLDP)	
	Shall support Voice VLAN feature to automatically assigns VLAN and priority to devices like IP	

REC Power Distribution Company Limited

	phones	
6	Layer 3 Features (any additional licenses required shall be included)	
	Static Routing for IPv4	
	Static Routing for IPv6	
	User Datagram Protocol (UDP) helper function to allow UDP broadcasts to be directed across router interfaces	
	Dynamic Host Configuration Protocol (DHCP) client and Relay	
	Proxy ARP to allow normal ARP operation between subnets	
	Switch shall support 512 entries (IPv4), 256 entries (IPv6) routing table size	
7	QoS and Security Features	
	Access Control Lists for Layer 2 to Layer 4 traffic filtering	
	Shall support global ACL, VLAN ACL, port ACL, and IPv6 ACL	
	Traffic classification using multiple match criteria based on Layer 2, 3, and 4 information	
	Powerful QoS feature supporting strict priority (SP) queuing, weighted round robin (WRR) and and SP+WRR	
	Shall support applying QoS policies on a port, VLAN, or whole switch, to set priority level or rate limit selected traffic	
	IEEE 802.1x to provide port-based user authentication with multiple 802.1x authentication sessions per port	
	Media access control (MAC) authentication to provide simple authentication based on a user's MAC address	
	Dynamic Host Configuration Protocol (DHCP) snooping to prevent unauthorized DHCP servers	
	Port security and port isolation	
	STP BPDU port protection to prevent forged BPDU attacks	
	STP Root Guard to protect the root bridge from malicious attacks or configuration mistakes	
	IP Source guard to prevent IP spoofing attacks	
	Dynamic ARP protection blocking ARP broadcasts from unauthorized hosts	
8	Management Features	
	Configuration through the CLI, SSL, console, Telnet, SSH and Web Management	
	SNMPv1, v2, and v3 and Remote monitoring (RMON) support	
	sFlow (RFC 3176) or equivalent for traffic analysis	
	Management security through multiple privilege levels	
	FTP, TFTP, and Secure FTP support	
	Port mirroring to duplicate port traffic (ingress and egress). ACL-selected traffic from a switch port or VLAN to a	

REC Power Distribution Company Limited

	local or remote switch port	
	RADIUS/TACACS+ for switch security access administration	
	Simple Network Time Protocol (SNTP) or equivalent support	
	Shall have Ethernet OAM (IEEE 802.3ah) management capabilities	
9	Software Defined Networking (SDN) Capability	
	The Switch should support Open Flow without any hardware change from Day 1 to enable the switch to work in SDN environment	
	Should be able to operate in Hybrid mode, this will allow the switch to function in SDN as well as non SDN environment	
10	Environmental Features	
	Shall provide support for RoHS	
	Operating temperature of 0°C to 45°C	
	Safety and Emission standards including UL 60950-1; IEC 60950-1; VCCI Class A; EN 55022 Class A	
11	Should be IPv6 certified from day 1	
12	Warranty and Support	
13	Configuration Required from day one	
14	Switch should include all accessories like power cords, mounting kit, etc.	
15	Bidder should provide Patch panels, Cable Manager, Cat-6 Patch cords/fiber cable with sufficient length to connect switch, Labeling, etc.	

2. 48 Port Layer 2 Gigabit Ethernet Manageable Switch

S.No.	Minimum Technical Specifications	Compliance (Yes/No)
1.	Make: CISCO	
2.	Model: (Bidder Should Specify)	
3.	Shall be 1RU, 19" Rack Mountable	
4.	48 RJ-45 autosensing 10/100/1000 ports and 2 Gigabit SFP or higher	
5.	The switch shall support minimum two 10-Gigabit ports (SFP/SFP+) in addition to above ports	
6.	1 RJ-45 serial console port	
7.	512 MB Memory or higher with Flash Memory	
8.	Shall have switching capacity of 160 Gbps or higher	
9.	Shall have up to 130 million pps switching throughput or higher	
10.	Should be Stackable with support of minimum 80G stacking performance per switch and stacking ports shall be additional to ports required above; all module and accessories required for stacking shall be given on day 1	
11.	Resiliency	
	Shall have the capability to extend the control plane across multiple active switches making it a virtual switching architecture, enabling	

REC Power Distribution Company Limited

	interconnected switches to perform as single switch	
	Shall support redundant power supply	
	IEEE 802.1D Spanning Tree Protocol, IEEE 802.1w Rapid Spanning Tree Protocol and IEEE 802.1s Multiple Spanning Tree Protocol	
	IEEE 802.3ad Link Aggregation Control Protocol (LACP)	
12.	Layer 2 Features	
	16K MAC address table	
	Shall support up to 4,000 IEEE 802.1Q-based VLANs	
	Shall support GARP VLAN Registration Protocol or equivalent feature to allow automatic learning and dynamic assignment of VLANs	
	Shall have the capability to monitor link connectivity and shut down ports at both ends if uni-directional traffic is detected, preventing loops	
	Shall support Jumbo frames on GbE ports	
	Internet Group Management Protocol (IGMP)	
	Multicast Listener Discovery (MLD) snooping	
	IEEE 802.1AB Link Layer Discovery Protocol (LLDP)	
	Shall support Voice VLAN feature to automatically assigns VLAN and priority to devices like IP phones	
13.	QoS and Security Features	
	Access Control Lists for Layer 2 to Layer 4 traffic filtering	
	Shall support global ACL, VLAN ACL, port ACL, and IPv6 ACL	
	Traffic classification using multiple match criteria based on Layer 2, 3, and 4 information	
	Powerful QoS feature supporting strict priority (SP) queuing, weighted round robin (WRR) and and SP+WRR	
	Shall support applying QoS policies on a port, VLAN, or whole switch, to set priority level or rate limit selected traffic	
	IEEE 802.1x to provide port-based user authentication with multiple 802.1x authentication sessions per port	
	Media access control (MAC) authentication to provide simple authentication based on a user's MAC address	
	Dynamic Host Configuration Protocol (DHCP) snooping to prevent unauthorized DHCP servers	
	Port security and port isolation	
	STP BPDU port protection to prevent forged BPDU attacks	
	STP Root Guard to protect the root bridge from malicious attacks or configuration mistakes	
	IP Source guard to prevent IP spoofing attacks	
	Dynamic ARP protection blocking ARP broadcasts from unauthorized hosts	

14.	Management Features	
	Configuration through the CLI, console, Telnet, SSH and Web Management	
	SNMPv1, v2, and v3 and Remote monitoring (RMON) support	
	sFlow (RFC 3176) or equivalent for traffic analysis	
	Management security through multiple privilege levels	
	FTP, TFTP, and Secure FTP support	
	Port mirroring to duplicate port traffic (ingress and egress).	
	RADIUS/TACACS+ for switch security access administration	
	Simple Network Time Protocol (SNTP) or equivalent support	
15.	Environmental Features	
	Shall provide support for RoHS	
	Operating temperature of 0°C to 45°C	
	Safety and Emission standards including UL 60950-1; IEC 60950-1; VCCI Class A; EN 55022 Class A	
	Should be IPv6 certified from day 1	
	Warranty and Support	
	Configuration Required from day one	
	Switch should include all accessories like power cords, mounting kit, etc.	
	Bidder should provide Patch panels, Cable Manager, Cat6- Patch cords/fiber cable with sufficient length to connect switch, Labeling, etc.	

3. 42 U Rack (19-inch):

S.NO.	Feature	Description	Compliance:(Yes/No)
1	Model Name	Name of OEM/Model quoted by the bidder	
2	No. Of Server Racks	01 Number	
3	Required Capacity & Design	19" 42U 800mmW/1200mmD with 1. front glass door, 2. vented trims rear steel door and side panels, 3. Perforated Castor wheels with front brake (Set of 4 Nos.), 4. Colour – Black, 5. Rack doors should having locking arrangements, (with all Accessories)	
4	Accessories	One number Earthing Kit	
		Four numbers of Fan 90CFM 230VAC (Directly mounted on top panel)	
		Six number Cable Manager Horizontal 1U	
		Two numbers vertical power strips with twelve round pin 15/5 Amp sockets in each	

REC Power Distribution Company Limited

		19" Stationary Shelf 700mm (D) 2 Nos	
		19" Keyboard Tray Rotary on slides 1 Nos,	
		Mounting hardware (Pack of 10)	
		17-inch LCD rack console integrated with single-user, 8-port 1 U rack mount KVM switch with PS/2 and USB support and cables etc	
		One number Temperature Indication Unit	
		Keypad Digital Lock	
5	Warranty and Support	3 years on-site comprehensive warranty with two year AMC	
6	Features	The bidder shall have to provide Supply, Installation, Configuration, Commissioning Support as per requirements of RECPDCL	
		The bidder shall have to mount existing servers in the rack and will have to provide the rack mounting kit accordingly	
		Compliance to EIA-310-D	

4. Unified Threat Management (UTM)- Firewall Appliance

- Creation and Configuration of VLANs, IPs, Gateways, etc.
- Configuration of all policies such as bandwidth policy, data usage policy and security policies etc.
- Creation of authenticated users.
- Configuration of UTM on load balancing mode with multiple ISPs.
- Integration of MPLS & minimum two Internet links (ISPs) into UTM.
- Training of offered items including operation and configuration.
- Documentation and submission of configuration in softy copy.
- Should perform Network installation and configuration activates as desired by RECPDCL

S.No.	General Technical Specification	Compliance (Yes / No)
1	Web based configuration and administration	
2	8 number of 10/100/1000 interface + 2 USB Port, configurable Internal /DMZ/WAN Ports, 2 number of Hardware Bypass Segment.	
3	Inbuilt local storage for storing configuration, logs & reports	
4	4,000 Mbps or more firewall throughput	
5	1,000,000 no. or more concurrent sessions	
6	1,600 Mbps or more IPS throughput	
7	300ps or more SSL VPN throughput	
8	850ps or more IPSec VPN throughput	
9	45,000 new sessions per second	
10	1,500 Mbps or more Antivirus throughput	

REC Power Distribution Company Limited

11	Unlimited user/node license.	
12	Integrated Firewall, Gateway Antivirus, Anti Spyware, Anti-Spam, Web Content Filtering, IPS, Application filtering.	
13	Support for HTTP Proxy	
14	User based policy configuration for security & internet management	
15	Support IPsec, L2TP, PPTP Virtual Private Network Connections and SSL VPN	
16	3G/WiMAX Support	
17	Support High Availability Active/Passive or Active/Active	
18	Support User Identity and Group based controls	
19	Policy routing based on Application and Use	
20	User Authentication with Internal database, Active Directory Integration	
21	Thin Client Support- Microsoft Windows Server 2003, Terminal Services and Citrix XenApp	
22	Support for user/ip/mac binding functionality to map username with IP address & MAC address.	
23	GUI Administration	
24	Support load balancing & Failover for multiple ISPs	
25	Robust drill down report tool and root level policy assigning	
26	Web based reporting	
27	ICSA firewall certification	
28	Support for IPv6	
29	Three year onsite comprehensive warranty and subscription license subscription for Gateway Anti malware, Anti-Virus, Anti-Spyware, Anti-Spam, Web & Application Filter, WAF, Intrusion Prevention System, 24* 7 and two year AMC support	

5. Rack Server

S.No.	DESCRIPTION	MINIMUM TECHNICAL SPECIFICATION OR HIGHER/BETTER	COMPLIANCE: YES/NO
	MAKE/MODEL: BIDDER SHOULD SPECIFY		
1.	SERVER MOUNTING TYPE	RACK	
2.	PROCESSOR	one processor (Intel Xeon E5-2600 v4 product family processor or equivalent rolled over Next generation Processor) or higher	
3.	NO OF CORES	Minimum 6	

REC Power Distribution Company Limited

3.	RAM	8 GB DDR4 RAM	
4.	MOTHER BOARD	OEM/Intel original Motherboard	
5.	SLOTS	2 PCI/PCI Express	
6.	CHIPSET	Intel c610 Series chipset or better compatible with CPU	
7.	VIDEO CONTROLLER	To Support VGA or above configuration	
8.	RAID CONTROLLER	Integrated Hardware RAID Controller and should support RAID 0/1/5.	
	SAS INTERFACE	6 Gbps SAS Adapter	
9.	NETWORKING	Dual LAN (10/100/1000) Network Card with asset features tracking and security management, remote wake up.	
10.	HDD BAYS	4 Bays (Minimum 2 Internal)	
11.	HDD	3x 500 GB or higher Enterprise Class NLSAS/SATA HDD 7200 RPM or higher.	
12.	KEYBOARD & MOUSE	101 Keys Keyboard & Optical Mouse.	
13.	MONITOR	TCO-5 certified 18.5 or higher TFT monitor.	
14.	POWER MANAGEMENT	Redundant hot Swap Power Supply, Screen blinking, hard disk and system idle mode in power on, set up password, power supply surge protected.	
15.	CLUSTER SUPPORT	Should support high level clustering	
16.	PORTS	4 USB Ports and 1 Serial Port	
17.	CERTIFICATIONS	Windows, RED Hat or Novell Certified, Compliance and Support	
18.	OPERATING SYSTEM	Microsoft Windows 2012 R2 Server Standard Edition (64 Bit) with media	
19.	DVD ROM	8x or better DVD ROM Drive	
20.	WARRANTY	Three year 24x7 4 hour on-site comprehensive OEMs Warranty and two AMC support	

6. Console PC

S.No.	Item	Minimum Specification or Better	COMPLIANCE: YES/NO
MAKE/MODEL: BIDDER SHOULD SPECIFY			
1.	Processors	Intel®Core™i7 Processor or better	
2.	Operating Systems	Windows 10 Professional 64 Bit or higher version (licensed OS)	
3.	Chipset	Intel® OEM chipset	

REC Power Distribution Company Limited

4.	Manageability	Intel Standard Manageability	
5.	Memory	8GB expandable Up to 16GB DDR4 1600MHz	
6.	Graphics	Integrated Graphics Intel HD 2500/AMD HD 7570 or better	
7.	Audio	Integrated HD Audio	
8.	Hard Drives	1 TB or more SATA 7200RPM	
9.	Networking	Integrated Intel Ethernet LAN 10/100/1000	
10.	Standard I/O Ports	Minimum 8 External USB 2.0/3.0 ports, 1 RJ45, 1 Serial(optional) , 1 VGA , 1 Display Port; 2 Line-in(stereo/microphone), 2 Line-out (headphone/speaker)	
11.	Power Supply	240W/300W standard efficiency	
12.	Keyboard & Mouse	USB Keyboard and USB Optical Scroll Mouse	
13.	Monitor	18.5" Wide Flat Panel HD LED or better	
14.	Optical Devices	8 X DVD+/-RW	
15.	MS Office	MS Office professional 2013 or latest	
16.	Compliance	Energy Star 5.0	
17.	Other	One additional good quality lock to be supplied with each system and other related cables/cords	

7. Network Attached Storage (NAS)

S.No.	Minimum Specification or Better	COMPLIANCE: YES/NO
MAKE/MODEL: BIDDER SHOULD SPECIFY		
1.	4bay NAS, 16TB (4TB* 4 Red HDD)	
2.	Should support LAN Connection 10/100/1000 with 2 x Gigabit Ethernet	
3.	USB 3.0 *2 port	
4.	2Ghz Processor	
5.	512 MB RAM	
6.	2* power port (single power supply included)	
7.	RAID 0,1,5,10 and JBOD	
8.	Remote access app for WIN, MAC, Android, and iOS.	
9.	Backup software for Win Clients	
10.	Sync software for Win, Mac.	
11.	Dual power cord	
12.	3 years comprehensive onsite warranty with two AMC support	
13.	Bidder should configure drive allocation with desired space in client PCs with secure access for backup	
14.	Bidder should configure online backup service to remote server	
15.	Should have management tool to monitor status and health of the storage system. Like performance, Throughput, Network Connection , utilization, controller health etc.	

8. Complete WiFi Setup (including Wireless Access points, Wireless Controller, 8 Port PoE+ Switch)

i. Wireless Access point

S.No.	Specification	Compliance Yes/No
	Make and Model (To be specified by vendor)	

REC Power Distribution Company Limited

1.	Should support IEEE 802.11a/b/g/n, Dual-Band 2.4 GHz and 5.0 GHz	
2.	At least 1 no 10/100/1000 Mbps port supports PoE and 1 console port.	
3.	Should support at least 300Mbps data rate	
4.	Should support Wi-Fi Multimedia (WMM) for QoS	
5.	Security features include WPA, WPA2, WEP and MAC Authentication	
6.	Should Support Remote configuration and management through Web browser, SNMP or telnet with command line interface (CLI)	
7.	Should support Power over Ethernet (PoE)	
8.	Should support IPv4 and IPv6	
9.	Should support integrated antenna.	
10.	Should support load balancing	
11.	Should be Wi-Fi regulatory standards	
12.	Provision to have Wall/Celling mountable and locks for theft protection are needed	

ii. Wireless Controller

S.No.	Specification	Compliance (Yes/No)
Make and Model (To be specified by vendor)		
1.	Should support 802.11a/b/g/n or latest Wireless Standards	
2.	Should have support for minimum 10 Access Points and should be scalable up to 20 Access Points	
3.	Should support Seamless L2/L3 fast roaming from AP-to-AP	
4.	Should support minimum 8 or more SSIDs	
5.	Controller should have integrated DHCP server	
6.	Controller should support RF monitoring.	
7.	Should support authentication for Users/Admin	
8.	Should support AP load balancing.	
9.	Should Support Wi-Fi Multimedia (WMM) for QoS	
10.	Should support IPv4 and IPv6 based protocol	
11.	Should support automatics channel selection- interference avoidance	
12.	Should support Wi-Fi Security standards	
13.	Should support Local database (Permanent/ temporary user database), External database	
14.	Should support minimum 200 or more concurrent user	
15.	Extraction of logs of every user activity	
16.	Should support Detection and mapping of Rogue Access Points	
17.	Device should support Account Creation. The temporary account is generated by front desk account in the local database.	
18.	Management interface HTTP, SNMP v1/v2c, telnet , secure shell (SSH) logging and reporting	
19.	Should support Guest Management	
20.	Maintenance : Save /Restore configuration ,restore to factory defaults ,admin password change ,Add user (read-only)firmware upgrade via web browser for the wireless controller and the managed access points	
21.	Should support real-time monitoring	
22.	Should support Captive portal for user authentication	
23.	Should support Spectrum Analysis	
24.	Should support minimum two 10/100/1000 Mbps Ethernet and one USB port	
25.	Should be Wi-Fi regulatory standards	

iii. 8 Port PoE+ Switch Specifications

S. No.	Specifications	Compliance (Yes/No)
Make and Model (To be specified by vendor)		
1.	Minimum 8-Ports PoE+ ports with 10/100/1000 Mbps and 2 SFP	
2.	Should support PoE+(Power over Ethernet) with Power Budget Min 100 W	
3.	Support for atleast 50 Gbps switching capacity	
4.	Should support minimum 16K MAC address entries	
5.	Should support IGMP Snooping	
6.	Should support IEEE 802.3X Flow control	
7.	Should support Port Mirroring	
8.	Should support Jumbo Frame support to improve the performance of large data transfers	
9.	Should support VLAN	
10.	Should support Broadcast/Multicast/Unicast Storm Control	
11.	Should support DHCP Snooping	
12.	Should have Support for advanced network security applications such as IEEE 802.1X	
13.	Should support IPV6 Host management and Neighbor Discovery	
14.	Should support IPv4 /IPv6 Dual stack	
15.	Should support SNMP v1, v2c and v3.	
16.	Should support TFTP, Telnet Server, DHCP Client	
17.	Should support International Certifications and Compliance	

Note: Vendor can provide best solution to minimize the Wi-Fi Setup Architecture. Accordingly bid the quantities as desired. Also, if the above technical specifications of multiple equipments are fulfilled within a single solution, the bidder may quote for a single solution in the Price Bid (Form-III).

3.1 Quantities (Indicative):

S.No	Description	Quantity Required
1	Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance for below items	
a)	24 Port Layer 3 Gigabit Ethernet Manageable Switch	1
b)	48 Port Layer 2 Gigabit Ethernet Manageable Switch	3
c)	19inch - 42 U Rack	1
d)	Unified Threat Management (UTM)- Firewall Appliance	1
e)	Rack Server	2
f)	Network Administrative Console PC	1
g)	NAS (Storage)	1
h)	Complete WiFi Setup (Includes Wireless Controller, Switch, Access Points)	1
2	AMC for above items for a period of 2 years	Per Unit

4. Timelines

- ✦ Bidder is required to Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers,



REC Power Distribution Company Limited

Storage and Wi-Fi setup for IT Implementation at RECPDCL, KRIBHCO Bhawan, A-10, Sector-1, Noida within 6 weeks from the date of the Purchase Order.

- ✦ The On-site comprehensive warranty and maintenance of 3 years start after acceptance of the equipment.
- ✦ The AMC period starts after the completion of three (3) year on-site comprehensive warranty and maintenance of the equipment.

5. Payment Criteria

- ✦ **For Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at RECPDCL New Premises:**
 - 80% payment shall be released against successful completion of Supply, Installation, Configuration, Testing, Commissioning of all equipments as per indicative in the tender at the delivery location specified in the release order and acceptance by the RECPDCL Officer.
 - Balance 20% payment shall be released on completion of successful training on all modules and after 2 months from the date of Acceptance testing of all equipments as per indicative in the tender by RECPDCL concerned officer.
- ✦ **For AMC of 2 years after the expiry of the warranty period of 3 years:**
 - Payment shall be released on half yearly basis on submission of maintenance reports, i.e. at the end of every six months along with the invoice.
- ✦ **Liquidated Damages:**
 - If vendor fails to deliver, install and commission the Systems and Equipment under Order within the time stipulated herein, liquidated damages at the rate of one percent (1%) of the total project cost (except the training, support service, subscription renewal & AMC cost) per week or part thereof of delay subject to a maximum of ten per cent (10%) of the total project cost (except the training, support service, subscription renewal & AMC cost) shall be payable by vendor. Such liquidated damages shall be deducted from vendors's invoice
 - Penalty/ LD if any, shall be deducted from the payments due under the Contract or by invoking the Contract Performance Bank Guarantee and/or otherwise.
 - Delivery installation, commissioning of the Products/items and performance of Services shall be made by the Contractor within the timelines prescribed.
 - Timeline for completion of training will be finalized with the successful vendor as mutually agreed dates.
 - For reasons of delays in installation and commissioning not attributable to RECPDCL the liquidated damages as mentioned above, may be levied except SNR (Site Not Ready).

6. Service Level Agreement (SLA)

1. Terms of Agreement

This agreement shall remain in force from the date of commencement of warranty till the expiry of warranty and AMC for the Network Active & Passive Components- Switches, Rack,



REC Power Distribution Company Limited

UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at RECPDCL New Premises.

2. Scope of Work for SLA with Penalty for SLA Non-Compliance

a) WARRANTY

Comprehensive on-site three (3) years warranty for Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at RECPDCL New Premises from the date of complete acceptance of system ordered.

The bidder shall be fully responsible for the warranty for all equipments, accessories, spare parts etc. against any defects arising from design, material, manufacturing, workmanship or any act or omission of the manufacturer and/or bidder any defect that may develop under normal use of supplied equipment during warranty period.

Warranty should not become void if the RECPDCL buys any other supplemental hardware from third party and install it with/in these machines. However, the warranty will not apply to such hardware items installed.

Warranty should cover the following:-

- The vendor should attend and resolve the critical issue like complete system/network down within 4 (Four) hours of lodgment of complaint. In case problems persist or require replacement of part, a Stand-by equipment of same or higher specification should be provided till original equipment is repaired, so that normal job of the RECPDCL may not hamper. Such Stand-by equipment must be replaced with original equipment within a maximum period of seven days. Any violation of the above shall make the vendor liable for a penalty of 1% of contract/item price per violation maximum upto 10% of contract/item price if which shall be deductible from any payment towards the vendor from the RECPDCL.
- Warranty would cover updates/maintenance/bug, if any.
- The bidder will obtain written acknowledgement from RECPDCL after completion of warranty period for successful sign off of warranty period.
- In case of repetitive failure of equipment (two or three times in a quarter) it shall be replaced by equivalent new equipment by bidder at no extra cost to RECPDCL.
- **Error reporting in case of breakdown call will be conveyed verbally / telephonically or by fax / email during business hours i.e. 9. AM to 7 PM, Monday to Saturday. Any breakdown is to be attended for on-site support**

b) Uptime guarantee

Bidder has to guarantee minimum uptime of 99% (monthly basis) during services period. For calculation purpose of uptime, RECPDCL will consider business hours between 9 AM to 7 PM on 6 day basis. For this purpose total elapsed time between time of lodgment of complaint will be conveyed verbally / telephonically or by fax / email and making the system functional or providing standby machine, will be treated as down time.

S.No.	Description	Availability in percentage
-------	-------------	----------------------------

1	Switches, UTM, Wi-Fi Controller, Servers, NAS	99 %
2	All other equipment's including cabling	95 %

Calculation of percentage uptime:- (Total Time for the specified period – Downtime) * 100 / Total time for the specified period

Where:-

- Downtime is the total time for which machine was in breakdown condition
- Total time for the specified period (for example a month period it is $30 * 24 = 720$)
- The uptime will be calculated on monthly basis both for total uptime as well as maximum response time. The penalty for non-performance by every 0.1 % of the requirement given above will be 1.0 % of the contract/item price and maximum upto 10% of contract/item price

d) ANNUAL MAINTENANCE CONTRACT (AMC)

The vendor should also quote separately for AMC for all items at site for 2 years after the expiry of warranty period of three years. The scope of AMC will be same as warranty. The quoted AMC rate for would be applicable for 6 days 9 AM to 7 PM support and complaint resolution time should not be more than 4 hrs. The equipment should be attended and complaint be resolved within 4 (Four) hours of lodgment of complaint. In case problems persist or require replacement of part(s), a Stand-by equipment of same capacity should be provided till original equipment is repaired. Such Stand-by equipment must be replaced with original equipment in working condition within a maximum period of seven days. Apart from the RECPDCL's right to charge penalties/ liquidated damage, any violation of the above shall make the vendor liable for a penalty of 1% of contract/item price per violation maximum upto 10% of contract/item price which shall be deductible from any payment towards the vendor from the RECPDCL. Annual Maintenance Charges will be paid on half-yearly in arrears, on submission of invoice & down time report by the vendor.

e) Maintenance Services

Bidder shall provide following maintenance services under this agreement:

- Preventive Maintenance:
 - The contractor shall provide Preventive maintenance service includes diagnostic tests, checking of the various functions of the server, workstations, storage and associated peripherals for smooth and efficient use.
 - The schedule for preventive maintenance services would be as per mutually agreed dates. The preventive maintenance shall be performed during the normal office working hours as per decision of RECPDCL.
 - The server, workstations, storage and peripheral devices must be cleaned and serviced ensuring tightening of various connections of peripherals & drives etc.
 - Contractor shall maintain and up-to-date the existing OS software, other softwares, drivers and other related system software, whenever required, for smooth running of systems and subsystems as required by the application software.
 - Contractor shall assist in reviewing system configuration, tuning of systems, disk management and file systems for better/optimal performance of systems and subsystems. A report for the same to be submitted after completion of each preventive maintenance.
 - For undertaking the preventive maintenance RECPDCL will not provide any tools and other items whatsoever required. The contractor will have to make due arrangements for the same.

REC Power Distribution Company Limited

- ii. **Corrective Maintenance:** Any system failure will be attended at the user site by bidder's engineer and if necessary by their specialists. In case the equipment is to be taken to Test & Repair Center of OEM, vendor will make sure that its configuration setup is documented & signed off by respective user. Also the Bidder is required to provide spare equipment to the user till the original equipment is returned after proper repair from OEM Centre. The configuration of the equipment should be same as it was before taking the system from user.
- iii. **Spares Availability:** The Bidder shall include in his scope of supply all mandatory and commissioning spares related to H/w requirements and shall maintain an up-to-date record/log-book. The same shall be liable for inspection by the purchaser. Bidder shall have a back-to-back Business Critical Support arrangement with the OEM for spares and escalation support.
- iv. **OPERATING SYSTEM AND SOFTWARE SUPPORT**
 - Software & OS Support - Named Releases, Updates and Software Updates for Operating System/software will be made available to RECPDCL for installation and use as and when they are made commercially available.
 - The Service engineer of the contractor will help to install and make operational of the updates on request from RECPDCL subject to the compatibility of the application software.
 - Support Notification Services – The AMC vendor/ contractor shall provide RECPDCL all OS Alerts for covered products, including those for which OEM is still working on a fix. While this may sound premature, this early warning system will help RECPDCL get a jump-start on risk mitigation.
 - Technical advice for better upkeep and maintenance as per OEM procedures.
 - The vendor / contractor will have to provide regular technical inputs as per the OEM guidelines for a better upkeep and maintenance of the system.
- v. **REPAIR/REPLACEMENT OF FAULTY PARTS / EQUIPMENT**
 - The repair of any kind or replacement of the spares / equipment, components, hard disks, drives, inter-connecting cables, connectors, power cables etc, have to be borne by the contractor and such components, modules, PCBs etc. taken for repair have to be installed back in the system, sub-system, peripherals, after carrying out the repair successfully. If any of the system/subsystem or part thereof is not repairable, the same is required to be replaced at no additional cost to RECPDCL.
 - After each repair/replacement, attending engineer/ technician shall give details of parts repaired/replaced along with fault analysis for preparing/making history sheet(s) of equipment.
 - It is the responsibility of the contractor to arrange for necessary spares, diagnostic software as well as testing and measuring equipments including cables, connectors, adapters, etc as and when required.
 - AMC services being of comprehensive type, RECPDCL shall not bear repair / replacement charges of any kind.
 - During the service / repair of equipment, if it is required to take any of the equipment out of RECPDCL premises, the same shall be the responsibility of the contractor to ensure proper packing, insurances, transportation etc and at the total risk and cost to the contractor.
 - The contractor shall ensure the quality of repairs carried out on the equipment /card /modules etc.
 - If the contractor is not able to repair the defective equipment within the

stipulated time specified/instructed by engineer in charge, he shall provide one back-up unit whose features and functions shall be same or better than that of the original.

- In case contractor is unable to repair the faulty unit, the replacement items would be considered as the property of RECPDCL and no charges will be payable by RECPDCL at any point of time. The replacement items would be of the same make and model (or compatible higher model whose features and functions are better than that of the original).
- At the end of the contract duration the original faulty equipment is to be returned back to RECPDCL. The replacement item will be returned back only after the original faulty equipment is restored to its full operation. The replacement equipment would be equivalent (or higher model compatible with the operations requirement), whose performance and features are not less than that of the original.

vi. **ADDITION/DELETION OF ITEMS IN THE AMC**

- RECPDCL has the right to add additional hardware systems (through future procurement) which are not part of the present scope of work herein or existing hardware systems owned by RECPDCL, which are not part of the present scope of work herein but are under warranty / in good working condition.
- RECPDCL has also the right to delete hardware systems, which are part of the present scope of work herein
- AMC charges for such additional/deleted hardware systems would be calculated at the same percentage as are the hardware systems already in the existing AMC.

vii. **OTHER SERVICES/FACILITIES**

- The contractor shall also provide the following additional services if required as per the RECPDCL policy
- All maintenances performed by the contractor will be made without regard for any daily maintenance performed by RECPDCL.
- The contractor is responsible for immediate regular/ replacement of faulty equipment or systems. All freight and insurance expenses incurred towards this service would be borne by the contractor.
- Contractor shall also cooperate with RECPDCL for any up-gradation / enhancement of system(s) under the scope of work with or without involvement.

3. Method of contact to Engineer

Bidder is required to submit the support escalation matrix for L1, L2, and L3 support along with the bid. Bidder should mention contact no, e-mail id and name of concerned person in this matrix. The support team of the bidder will work with Helpdesk of user for ensuring complaint resolution for supplied equipment as per SLA.

SECTION-V

GENERAL CONDITIONS OF TENDER

Part – 1

1. The Bidder must fulfil the above eligibility criteria/pre-qualifying conditions for evaluation of their bids. Bids of Bidders fulfilling the above eligibility/pre-qualifying conditions will only be evaluated by the duly constituted evaluation committee. Bids of the Bidders not fulfilling the eligibility/pre-qualifying conditions given above may be summarily rejected. Undertaking for subsequent submission of any of the above documents will not be entertained under any circumstances.
2. RECPDCL reserves the right to conduct the reverse auction (if required) for the products/ services being asked in the tender. The terms and conditions for such reverse auction event shall be as per the Acceptance Form attached as Form-VI of this document. The bidders shall mandatorily submit a duly signed copy of the Acceptance Form along with the tender document as a token of acceptance. In case of denial for participation, bidder shall not be entitled for any kind of claim.
3. RECPDCL reserve the right to verify/confirm all original documentary evidence submitted by the Bidder in support of above mentioned clauses of eligibility criteria, failure to produce the same within the period as and when required and notified in writing by RECPDCL shall result in summarily rejection of the bid.
4. Engagement with RECPDCL does not confer any right to the agencies to be invited for participating in any bids, tender etc. floated by RECPDCL. RECPDCL reserves the right to call bids/assign work/associate the agency/agencies in any area as may be deemed fit by RECPDCL depending upon the profile provided by the agencies and requirement of assignment.
5. RECPDCL reserves the right to accept or reject any or all requests for engagement without assigning any reason or to accept in parts and engage more than one agencies at its sole discretion.
6. Acceptance of the application(s) constitutes no form of commitment on the part of RECPDCL. Furthermore, this acceptance of the application confers neither the right nor an expectation on any application to participate in the proposed project.
7. RECPDCL reserve the right to waive off any shortfalls; accept the whole, accept part of or reject any or all responses to the Tender.
8. RECPDCL reserve the right to call for fresh tenders at any stage and /or time as per the present and /or envisaged RECPDCL requirements even if the tender is in evaluation stage.
9. RECPDCL reserve the right to modify, expand, restrict, scrap, re-float the tender without assigning any reason for the same.
10. The responder shall bear all costs associated with the preparation and submission of its response, and RECPDCL will in no case be responsible or liable for these costs, regardless of the conduct or the outcome of the tender process.
11. Consortium and joint venture responses are not allowed, in any case.

REC Power Distribution Company Limited

12. The bidder must have fully operational office/Head office/Branch office in Delhi/NCR. **Relevant document proof should be submitted by the bidder.** In case if the bidder has no fully operational office/Head office/Branch office in Delhi/NCR, then the successful bidder will set up the office in Delhi/NCR with in 07 days after the issuance of work order. In case of failure, RECPDCL reserves the right to reject the bid.

13. **Performance Security:** The agency need to deposit within fifteen (15) working days from the date of acceptance of work order, a Performance Security in the form of Bank Guarantee or Demand Draft (DD), as per below:-

- f) An amount of **10%** (Ten per cent) of the Tender value against the Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation portion for **3 years plus 6 month** claim period.
- g) After completion of 3 years or before expiry of PBG of supply portion bidder has to submit the PBG for AMC portion for **2 years plus 6 month** claim period of **10%** of total value of AMC portion for the due performance and fulfilment of the contract by your firm in the format placed at Annexure – B.

The Performance Bank Guarantee may be drawn from a scheduled commercial bank in favour of The “**REC Power Distribution Company Ltd**”, New Delhi.

The Performance Bank Guarantee may be discharged/ returned by the RECPDCL after the completion of the contract upon being satisfied for the performance of the obligations of your firm under the contract.

Failing to comply with the above requirement, or failure to enter into contract within 15 days or within such other extended period, as may be decided by the CEO, RECPDCL shall constitute sufficient grounds, among others, if any, for the annulment of the award of the tender.

In the event the firm being unable to provide the services, during the engagement period as per the contract for whatever reason, the Performance Bank Guarantee would be invoked by RECPDCL.

No Bank Charges/ interest shall be payable for the Performance Bank Guarantee.

14. Rates and Prices

- a) Price quoted by Bidder shall be firm for contract period.
- b) Price quoted shall be firm and any variation in rates, prices or terms during validity of the offer shall require forfeiture of the EMD.
- c) The quantities of equipment/ products/ systems indicated in the list are tentative. Payment will be made as per actual on pro rata basis.
- d) All rates/prices to be quoted in Indian Rupees only, considering the tender terms and conditions and scope of work.
- e) TDS will be deducted at source as per rules as applicable.
- f) No advance payment shall be made.
- g) Quoted rates/prices should be valid for delivery of equipment and services across India.
- h) The quoted rates/prices to be all inclusive of taxes, duties, levies, charges etc.
- i) Price quoted by bidders with any deviation or any conditionality, the offer will be treated as incomplete and will be rejected.



REC Power Distribution Company Limited

- j) Any variation in rates, prices or terms during validity of the offer shall lead to forfeiture of the EMD/PBG of said bidder.
 - k) RECPDCL can place order in staggered manner and can evolve a superset/subset of the requirements for placing order.
15. In case of default in your services or denial of services, RECPDCL, at its sole discretion, will be free to avail services of other courier service providers at your "Risk & Cost".
16. All other terms and conditions of the GENERAL CONDITIONS OF CONTRACT as attached in Annexure shall be applicable.
17. Bidders are advised to refrain from taking any deviations on this TENDER. Still in case of any deviations, all such deviations from this tender document shall be set out by the Bidders, Clause by Clause in the format as mentioned in Form IV and submit the same as a part of the Technical Bid. Please note that in case of deviations to the tender terms, bids may be liable for rejection.
18. In case of continued non-satisfactory performance, RECPDCL have the right to withdraw the work & get completed the work at the risk and cost of the agency. Further the agency may be blacklisted for a period of one year or more for participating in any of the bids invited by RECPDCL. Also, RECPDCL would be free to intimate such black listing to various state/central utilities/ Ministry of Power/State Governments/other agencies not to consider the said agency for any assignment including of the same on websites
19. In a tender either the Indian agent on behalf of the Principle /OEM or Principle / OEM itself can bid but both cannot bid simultaneously for the same item/product.
20. If an agent submits bid on behalf of the principal /OEM, the same agent shall not submit a bid on behalf of another principal /OEM in the same tender for the same item/product.
21. REC PDCL reserves the right to reject any offer in full or in part & award the work to one or more than one bidders, without assigning any reason thereof and without incurring any liability to the affected bidders for the action of REC PDCL.
22. In case it is decided to split the work to more than one agency at the lowest received rates, preference of work may be given to the agency which quoted the lowest rates in response to tender enquiry.
- 23. Termination of Contract:**
- a) The contract shall remain in force as per the award of work or till satisfactory completion of awarded work, whichever is earlier.
 - b) However, in case, in the opinion of RECPDCL if the agency is not likely to make up for the delay, indicating poor work, the agency is acting in anyway prejudicial to the completion of project, on adoption of unethical practices etc. the contract may be terminated partly or fully by giving 30 days' notice and the balance works shall be got executed at the risk & cost of the agency.
 - c) In case of default in services or denial of services, RECPDCL, at its sole discretion, will be free to avail services of other service providers at the "Risk & Cost" of the defaulter.
24. It will be imperative on each bidder to fully acquaint itself of all factors/activities which would have effect on the performance of the work and its cost.



REC Power Distribution Company Limited

25. Agencies to which work is awarded are not allowed to Sub-contract the work to any other parties either in part or full.
26. The Courts/any other Tribunal or Forum in Delhi/New Delhi alone shall have exclusive jurisdiction with regard to any matter/dispute relating to or arising out of this contract.
27. **Force Majeure:** The REC PDCL and Agency shall ensure due compliance with the terms of this tender/Work order. However no party shall be liable for any claim for any loss or damage whatsoever arising out of failure to carry out the terms of the tender/Work order to the extent that such a failure is due to force Majeure events which include fire, riot, strike, lock out, forces of nature, accident, and act of God. But any party claiming the benefit of this clause shall satisfy the other party of the existence of such an event and give written notice within 72 hrs. of occurrence to the other party to this effect. The services covered under this tender/Work order shall be started as soon as the condition of force majeure ceases to exist against the particular party to this tender/Work order.
28. **Disputes Resolution & Arbitration**
 - a) Disputes under the agreement shall be settled by mutual discussion.
 - b) However, in the event amicable resolution or settlement is not reached between the parties, the differences of disputes shall be referred to and settled by the Sole Arbitrator to be appointed by Chairman, REC PDCL.
 - c) The arbitration proceedings shall be in accordance with the prevailing Arbitration and Conciliation Act, 1996 and Laws of India as amended or enacted from time to time.
 - d) The venue of the arbitration shall be New Delhi, India.
 - e) The fee & other charges of Arbitrator shall be shared equally between the parties.
 - f) The Arbitrator will give the speaking & reasoned award. The party will not be entitled to any Pendente lite interest during arbitration proceedings.

SECTION-VI

ELIGIBILITY CRITERIA

Pre-Qualifying Criteria for Bidder

S.No.	Qualification Criteria	Documents Required
1.	The bidder should be a company incorporated under Companies Act as per Government of India. The Bidder should have been in IT operation in India for a period of at least for 3 years.	Certificate of incorporation/Registration certificate/ PAN Card/Service tax Registration Certificate should be provided by the bidder
2.	The Agency should have audited average annual turnover of at least Rs. 17.5 lakh for the last three financial years i.e. FY-2013-14, 2014-15 & 2015-16, and in case of non-availability of audited balance sheet for FY-2015-16, audited balance sheet of FY-2012-13, 2013-14 & 2014-15 shall also be considered.	Attach documentary evidence (Audited balance sheet/ certificate for chartered accountant) for confirmation regarding turnover. The turnover refers to a company and not the composite turnover of its subsidiaries / sister concerns etc.
3.	The bidder shall be the single point of contact for RECPDCL and shall be solely responsible for all warranties, upgrades and guarantees etc. offered by the OEM etc.	Attach an undertaking to this effect for single point of contact. Bidder has to also enclose OEM authorization for three year onsite comprehensive warranty maintenance.
4.	The bidder should be either (i) Manufacturer (OEM) / authorized distributor/ authorized dealer and also (ii) Service provider or system integrator for Supply, Installation and Commissioning of similar IT projects.	In case of dealer/ distributor/Service Provider/System Integrator being the bidder attach the OEM authorization(s) and service provider proof(s) issued by the OEM for this tender clearly mentioning the tender number, date and validity (in the name of bidder specifically addressed to the Addl. CEO, RECPDCL for the same). As per Form - V (MAF)
5.	Bidder should have successfully executed Supply, Installation and Commissioning of similar IT projects for any Central/ State Government/ Semi Government/ Public Sector/Private Sector in last three financial years (i) single work order/Contract Value of Rs. 20 lakh or (ii) Two work orders/Contract Value each of Rs. 12.5 lakh each. or (iii) Three work orders /Contract Value each of Rs. 10 lakh	Bidder should submit copy of (i) Work order (mandatory) & Any document out of the following : (ii) Payment receipts (iii) Proof of release of performance security after completion of the contract (iv) Proof of settlement/release of final payment against the contract (v) Certificate for successful completion of work/Performance report by the client.



REC Power Distribution Company Limited

6.	The bidder/ OEM should be ISO 9001:2008 certified or any ISO certification for the Quality Management /Production/Manufacturing, etc.	Attach valid documentary proof
7.	Bidder should not be blacklisted by any Central/ State Government/ Semi Government/ Public Sector Undertaking	An undertaking shall be submitted in this regard.

Note:

- Bid should accompany an earnest money deposit of Rs 25,000/- (Rupees Twenty Five Thousand Only) in the form of a Demand Draft/Banker's cheque drawn on a Scheduled commercial bank in favor of 'REC Power Distribution company Ltd payable at New Delhi. Cheques, Money orders or Cash etc. shall not be accepted as EMD. The bidder's are requested to make sure to indicate the tender number, name and address of the bidder on the reverse of EMD draft/ banker's cheque, any failure to comply with the same shall be at the risk of the bidder (OR) The firms registered with National Small Industries Corporation (NSIC)/ Micro, Small and Medium Enterprises (MSME) are exempted against submission of EMD however, related valid document /certificate from NSIC/MSME registered with Central/State Government of India should be submitted.
- RECPDCL reserves the right to counter check any of the supporting documents directly from the respective client for their authenticity.
- The Bidders are requested to furnish documents to establish their eligibility for each of the above clauses. Relevant portions, in the documents submitted in pursuance of eligibility criterion mentioned above, should be highlighted. If tender were not accompanied by all the above documents mentioned, the same would be rejected. Undertaking for subsequent submission of any of the above document will not be entertained. However RECPDCL reserves the right to seek fresh set of documents or seek clarifications on the already / submitted documents. All documents should be submitted electronically including Financial Bid.
- Upon verification, evaluation / assessment, if in case any information furnished by the Bidder is found to be false / incorrect, their bid shall be summarily rejected and no correspondence on the same shall be entertained.

SECTION-VII

TENDER EVALUATION METHODOLOGY

OPENING OF BID:

The Bidder or his authorized representative may be present at the time of opening of bid on the specified date. In case of unscheduled holiday on the closing/opening day of bid, the next working day will be treated as scheduled prescribed day of closing/opening of bid; the time notified remaining the same.

EVALUATION OF BID

PRE-QUALIFYING CRITERIA - Evaluation and comparison of bids will be done as per provisions of Pre-qualifying Criteria supporting documents as proof of pre-qualifying criteria at section – VI.

The RECPDCL will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed and whether the bids are generally in order qualifying to which bids shall be summarily rejected.

PRICE EVALUATION CRITERIA

1. Preparation of Financial Bids

- 1.1 The Agency should upload Bid document with duly signed copy of the requisite documents through digital signature.
- 1.2 The Bidders are required to submit the complete financial bid documents through e-tendering only after satisfying each and every condition laid down in the tender documents. Bids submitted in other forms shall be summarily rejected.
- 1.3 Do not upload Financial Bid document with any other bid documents. Financial bid has to be uploaded separately.
- 1.3 All rates should be in figures and in words. In case of discrepancy between the words and the figures the rate indicated in words shall prevail.
- 1.4 Rates quoted should be firm and fixed. No price variation and escalation will be allowed.
- 1.5 The quoted rates/prices to be all inclusive of taxes, duties, levies, charges and all the taxes, duties, levies, charges shall be payable as may be applicable time to time i.e as per prevailing rates.

2. Submission of Financial Bid:

- 2.1 Scan copy of "**Earnest Money Deposit**" along with letter of transmittal should be uploaded in portal.
- 2.2 Original EMD are to be submitted on or before the last date of the submission.
- 2.3 Financial Bid should only be submitted through e-tendering mode and duly digitally signed by the authorized person, giving full name of the firm with its current business address. The letter of authorization shall be indicated by written Power-of-Attorney/ Authorization Letter accompanying the bid.
- 2.4 REC PDCL reserves the right to reject any or all tenders or drop part of tender without assigning any reasons whatsoever.
- 2.5 The quotation shall be valid for entire contract period/completion of the Assignments.



REC Power Distribution Company Limited

2.6 The bidders should satisfy themselves before submission of the bid to RECPDCL that they understand and satisfy each and every condition laid down in the bid document.

3. Opening of Bid:

- 3.1 Tenders duly submitted/uploaded, will be opened online on the schedule date and time. The tenders will be opened and the bidders or their authorized representative may, if they so desire be present at the time of opening of tenders.
- 3.2 Bid of only those bidders will be opened who have submitted requisite EMD in original detail as above within the specified time limit.
- 3.3 If due date of receipt of tenders and/or that of opening of tender happens to be a closed holiday(s), the tenders would be opened on the next working day but the time of receipt and of opening will remain the same.
- 3.4 REC PDCL reserves the right to postpone and/or extend the date of submission/opening of tenders or to withdraw the tender notice, without assigning any reason thereof. In such a case the bidders shall not be entitled to any form of compensation from the Company.

4. Financial Bid :

- 1 Bidders has to quote their rates strictly as per the financial bid format enclosed as Form-III should be submitted/uploaded through online/e-tendering mode only.
- 2 The prices shall remain FIRM till entire contract period /completion of the Assignment.
- 3 Price quoted by bidders with any deviation or any conditionality, the offer will be treated as incomplete and will be rejected.
- 4 Any variation in rates, prices or terms during validity of the offer shall lead to forfeiture of the EMD of said bidder.
- 5 Work shall be awarded to LQ-1 bidder based on Rate Quoted in (S.No.A, S.No.B, S.No.C, S.No.D, S.No.E) Grand Total of FINANCIAL BID (FORM-III).
- 6 In case the price/rate of a required line item is mentioned as zero i.e. '0' in FINANCIAL BID (FORM-III) the same shall be treated as the bid price.
- 7 In case of discrepancy between the value indicated by the bidder "In Figures" & "In Words", the value indicated at "In Figures" shall prevail.
- 8 The quantities of equipment/ products/ systems indicated in the list are tentative. Payment will be made as per actual on pro rata basis.
- 9 All rates/prices to be quoted in Indian Rupees only, considering the tender terms and conditions and scope of work.
- 10 TDS will be deducted at source as per rules as applicable.
- 11 No advance payment shall be made.
- 12 Quoted rates/prices should be valid for delivery of equipment and services across India.
- 13 The quoted rates/prices to be all inclusive of taxes, duties, levies, charges etc.
- 14 Price quoted by bidders with any deviation or any conditionality, the offer will be treated as incomplete and will be rejected.
- 15 Any variation in rates, prices or terms during validity of the offer shall lead to forfeiture of the EMD/PBG of said bidder.
- 16 RECPDCL can place order in staggered manner and can evolve a superset/ subset of the requirements for placing order.

1.3 AWARD CRITERIA



REC Power Distribution Company Limited

The purchaser will award the contract to the successful bidder whose bid has been determined to be in full conformity to the bid documents and has been determined as the lowest evaluated bid as calculated.



REC Power Distribution Company Limited

SECTION-VIII

FORM-I

Letter for Submission of Tender

To,
Addl. Chief Executive Officer
RECPDCL,
1016-1023, 10th Floor,
Devika Tower,
Nehru Place, New Delhi-110019

Sub: Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at RECPDCL New Premises-Kribhco Bhawan, Noida.

Sir,

1. With reference to your Tender No. ----- dated ----- for **Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at RECPDCL New Premises**, I wish to apply for engagement with RECPDCL as **“Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at RECPDCL New Premises”**

Further, I hereby certify that

I have read the provisions of the all clauses and confirm that notwithstanding anything stated elsewhere to the contrary, the stipulation of all clauses of Tender are acceptable to me and I have not taken any deviation to any clause.

2. I further confirm that any deviation to any clause of Tender found anywhere in my Bid, shall stand unconditionally withdrawn, without any cost implication whatsoever to the RECPDCL.
3. Our bid shall remain valid for period of 180 days from the last date of bid submission.

Date:
Place:

Signature.....
Full Name.....
Designation.....
Address.....

Note: In absence of above declaration/certification, the Bid is liable to be rejected and shall not be taken into account for evaluation.



REC Power Distribution Company Limited

Form-II

Supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at RECPDCL New Premises-Kribhco Bhawan, Noida

PREQUALIFICATIONCRITERIA DETAILS

1. THE FIRM

2. Name

Regd. Address _____

a) Address of Office

b) Contact Person's

i) Name & Design.

ii) Address

iii) Tel No. Landline

Mobile

iv) Email ID

3. Type of Firm:
(Please tick)

Private Ltd./ Public Ltd./ Cooperative/
Partnership/ Proprietor

4. PAN

5. Service Tax Reg. No.:

6. E.M.D. Details Rs._

BG/DD No._

Name & Address of Bank

Please upload duly signed copies by authorized signatory of documentary evidence e.g. work order, corresponding satisfactory job completion certificates from clients with amount of work order in support of above and any other document indicated in prequalifying criteria)

Signature.....

Full Name.....

Designation.....

Address.....



REC Power Distribution Company Limited

Form-III
Financial Bid
PROFORMA OF SCHEDULE OF RATES/ PRICE BID
(To be submitted through online mode only)

Bidder Name:

SNo	Description	Make & Model	Qty.	Unit Price (INR)	Total Price	VAT/Sale Tax / CST (%)	VAT/ Sales Tax/ CST Cost (INR)	Excise Duty / Custom Duty(%)	Excise Duty /Custom Duty (INR)	Service Tax + Cess (%)	Service Tax+ Cess (INR)	Total Price (all inclusive of taxes)
			A	B	C=A *B	D	E=D* C	F	G=F*C	H	I=H*C	J=C+E+ G+I
A	Supply and Three year On-site Comprehensive Warranty Maintenance for below items											
	1.	24 Port Layer 3 Gigabit Ethernet Manageable Switch	1									
	2.	48 Port Layer 2 Gigabit Ethernet Manageable Switch	3									
	3.	19inch - 42 U Rack	1									
	4.	Unified Threat Management (UTM)- Firewall Appliance	1									
	5.	Rack Server	2									
	6.	Network Administrative Console PC	1									
	7.	NAS (Storage)	1									
	8.	Complete WiFi Setup (Includes Wireless Controller, Switch, Access Points)*	1									
		Wireless Controller	1									
		8- Port PoE+ Switch	1									
		Wireless Access Point*	1									

B	Installation, Configuration, Testing, Commissioning of all the items as per scope of work and Technical Specification (Switches, 42 U Rack, Unified Threat Management, Rack Server, Network Administrative Console PC, NAS (Storage), Complete WiFi Setup (Includes Wireless Controller, Switch, Access Points))		-									
C	Training on CCNA (Routing and Switching), MCSE (Server Infrastructure), RHEL, operational training on UTM, NAS, WiFi Controllers and all other components as per scope of work.		1 Person									
D	4 th year AMC for above items	All above items										
E	5 th year AMC for above items	All above items										
	Grand Total INR (A+B+C) (All Inclusive of Taxes)											

Note:-

- a) Qty. of Wireless Access Points can be procured based on survey.
 - b) For complete Wi-Fi setup bidder can provide best solution. Accordingly quote the items in Price bid. For example: If Wireless Controller feature already exists in UTM as per given Wi-fi setup specification. Accordingly, bidder has to carefully quote the item in wifi category (i) in price bid. Also, if the above technical specifications of multiple equipments are fulfilled within a single solution, the bidder may quote for a single solution in the Price Bid (Form-III).
1. The quoted rates must be inclusive of all taxes as applicable at the time of bidding.



REC Power Distribution Company Limited

2. The Training may be considered for a group of 5 person. The number of person are tentative and may vary as desired by RECPDCL. Accordingly, the payment may be made on pro-rata basis.
- 3.
4. The quantity of Wifi Access Points are tentative but actual quantity should be based on the survey at the site. Accordingly, the payment may be made on pro-rata basis.
5. Bidders are to quote their rates strictly as per above format.
6. All items in PRICE BID must be quoted failing which the bid is liable to be rejected.
7. In case the price/rate of a required line item is mentioned as zero i.e. '0' the same shall be treated as the bid price.
8. In case of discrepancy between the value indicated by the bidder "In Figures" & "In Words", the value indicated at "In Figures" shall prevail.
9. The quantities of equipment/ products/ systems indicated in the list are tentative. Payment will be made as per actual on pro rata basis.
10. All rates/prices to be quoted in Indian Rupees only, considering the tender terms and conditions and scope of work.
11. Under no circumstances any extra/ additional taxes, duties, levies etc. shall be payable to the bidder by RECPDCL unless such a tax, duty or levy has been newly introduced and notified by the Government of India.
12. TDS will be deducted at source as per rules as applicable.
13. No advance payment shall be made.
14. Quoted rates/prices should be valid for delivery of equipment and services across India.
15. The quoted rates/prices to be all inclusive of taxes, duties, levies, charges etc and all the taxes, duties, levies, charges shall be payable as may be applicable time to time i.e as per prevailing rates.
16. Price quoted by bidders with any deviation or any conditionality, the offer will be treated as incomplete and will be rejected.
17. Any variation in rates, prices or terms during validity of the offer shall lead to forfeiture of the EMD/PBG of said bidder.
18. RECPDCL can place order in staggered manner and can evolve a superset/ subset of the requirements for placing order.
19. Financial bid to be uploaded in the specific format designed same may be downloaded from website www.tenderwizard.com/REC and after filling the form it is to be uploaded through digital signature

FORM IV
FORMAT FOR NO-DEVIATION CERTIFICATE

Unless specifically mentioned in this schedule, the tender shall be deemed to confirm the RECPDCL's specifications:

S. No.	Clause No.	Details of deviation with justifications

By signing this document we hereby withdraw all the deviations whatsoever taken anywhere in this bid document and comply to all the terms and conditions, technical specifications, scope of work etc. as mentioned in the standard document except those as mentioned above.

Seal of the Company:

Signature

Name

Note: In absence of above declaration/certification, the Bid is liable to be rejected and shall not be taken into account for evaluation.



REC Power Distribution Company Limited

FORM-V MANUFACTURER AUTHORIZATION FORM

(To be submitted on OEM's Letter Head)

Date:

To,

Addl. Chief Executive Officer
RECPDCL,
1016-1023, 10th Floor,
Devika Tower,
Nehru Place, New Delhi-110019

Sir,

WHEREAS M/s. *[name of OEM]*, who are official manufacturers of having factories at *[address of OEM]* do hereby authorize M/s *[name of bidder]* to submit a Bid in relation to the Invitation for Bids indicated above, the purpose of which is to provide the following Goods, manufactured by us

.....
and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty as mentioned in the Tender Document, with respect to the Goods offered by the above firm in reply to this Invitation for Bids.

We hereby confirm that in case, the channel partner fails to provide the necessary services as per the Tender Document referred above, M/s *[name of OEM]* shall provide standard warranty on the items supplied against the contract. The warranty period and inclusion / exclusion of parts in the warranty shall remain same as defined in the contract issued to their channel partner against this tender enquiry.

Yours Sincerely,

For

Authorized Signatory

Note: In absence of above declaration/certification, the Bid is liable to be rejected and shall not be taken into account for evaluation.

FORM-VI

ACCEPTANCE FORM FOR PARTICIPATION IN REVERSE AUCTION EVENT

(To be signed and stamped by the bidder)

In a bid to make our entire procurement process more fair and transparent, RECPDCL intends to use the reverse auctions as an integral part of the entire tendering process. All the bidders who are found as technically qualified based on the tender requirements shall be eligible to participate in the reverse auction event.

The following terms and conditions are accepted by the bidder on participation in the bid event:

1. RECPDCL shall provide the user id and password to the authorized representative of the bidder. *(Authorization Letter in lieu of the same shall be submitted along with the signed and stamped Acceptance Form).*
2. RECPDCL decision to award the work would be final and binding on the supplier.
3. The bidder agrees to non-disclosure of trade information regarding the purchase, identity of RECPDCL, bid process, bid technology, bid documentation and bid details to any other party.
4. The bidder is advised to fully make aware themselves of auto bid process and ensure their participation in the event of reverse auction and failing to which RECPDCL will not be liable in any way.
5. In case of bidding through Internet medium, bidders are further advised to ensure availability of the infrastructure as required at their end to participate in the auction event. Inability to bid due to telephone line glitch, internet response issues, software or hardware hangs, power failure or any other reason shall not be the responsibility of RECPDCL.
6. In case of intranet medium, RECPDCL shall provide the infrastructure to bidders. Further, RECPDCL has sole discretion to extend or restart the auction event in case of any glitches in infrastructure observed which has restricted the bidders to submit the bids to ensure fair & transparent competitive bidding. In case an auction event is restarted, the best bid as already available in the system shall become the basis for determining start price of the new auction.
7. In case the bidder fails to participate in the auction event due any reason whatsoever, it shall be presumed that the bidder has no further discounts to offer and the initial bid as submitted by the bidder as a part of the tender shall be considered as the bidder's final no regret offer. Any offline price bids received from a bidder in lieu of non-participation in the auction event shall be outrightly rejected by RECPDCL.
8. The bidder shall be prepared with competitive price quotes on the day of the bidding event.
9. The prices as quoted by the bidder during the auction event shall be inclusive of all the applicable taxes, duties and levies and shall be FOR at site.
10. The prices submitted by a bidder during the auction event shall be binding on the bidder.
11. No requests for time extension of the auction event shall be considered by RECPDCL.
12. The original price bids of the bidders shall be reduced on pro-rata basis against each line item based on the final all inclusive prices offered during conclusion of the auction event for arriving at Contract amount.



REC Power Distribution Company Limited

Signature & Seal of the Bidder

FORM-VII
LETTER OF TRANSMITTAL

To: [Name and address of Client]

.....

.....

.....

Dear Sir/s,

I/We, the undersigned, have examined the details given in your NIT dated [Insert Date] for **supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at RECPDCL New Premises**. We accept all the terms & conditions of the bid document without any deviation and submit the Bid. We hereby certify that M/s _____

or its group companies have not been awarded any work for **supply, Installation, Configuration, Testing, Commissioning, Training and Three year On-site Comprehensive Warranty Maintenance of Network Active & Passive Components- Switches, Rack, UTM (Firewall) Appliance, Servers, Storage and Wi-Fi setup for IT Implementation at RECPDCL New Premises** & shall not be a competitor to REC/RECPDCL during contract period in case the contract is awarded.

Also, M/s _____ or its group companies is not executing or providing any type of services either directly or as a sub-contractor for the particular work for which Bid is submitted.

It _____ is _____ confirmed _____ that _____ M/s. _____ is not banned or blacklisted by any Govt./Pvt. Institutions in India.

Authorized Signature [In full and initials]:

Name and Title of Signatory:

REC Power Distribution Company Limited



Name of Firm:

Address:



REC Power Distribution Company Limited

ANNEXURE-A

BID BANK GUARANTEE (EARNEST MONEY)

(To be stamped in accordance with Stamp act)

This deed of Guarantee made this _____ day of _____ 2016
by _____

((Name of the Bank))

having one its branch at _____
acting through its Manager (hereinafter called the "Bank") which expression shall wherever
the context so requires includes its successors and permitted assigns in favour of REC Power
Distribution Company Ltd., registered under the Companies Act, 1956, having its office at
_____ (hereinafter
called) ("RECPDCL") which expression shall include its successors and assigns.

WHEREAS RECPDCL has invited tender vide their Tender Notice No. _____

_____ Dated _____ to be opened on
AND _____ WHEREAS _____ M/s

((Name of Tenderer))

having its office at _____
(hereinafter called the "Tenderer"), has/have in response to aforesaid tender notice offered to
supply/ do the job _____ as contained in the tender.

AND WHEREAS the Tender is required to furnish to RECPDCL a Bank Guarantee for a sum
of Rs. _____ (Rupees _____
_____ Only) as Earnest Money for participation in the Tender aforesaid.

AND WHEREAS, we _____
((Name of Bank)) have at the request of the tenderer agree to give RECPDCL this as
hereinafter contained.

NOW, THEREFORE, in consideration of the promises we, the undersigned, hereby covenant
that, the aforesaid Tender shall remain open for acceptance by RECPDCL during the period
of validity as mentioned in the Tender or any extension thereof as RECPDCL and the
Tenderer may subsequently agree and if the Tenderer for any reason back out, whether
expressly or impliedly, from his said Tender during the period of its validity or any extension
thereof as aforesaid or fail to furnish Bank Guarantee for performance as per terms of the
aforesaid Tender, we hereby undertake to pay RECPDCL, New Delhi on demand without
demur to the extent of Rs. _____ (Rupees _____
only).

We further agree as follows:-

01. That RECPDCL may without affecting this guarantee extend the period of validity
of the said Tender or grant other indulgence to or negotiate further with the
Tenderer in regard to the conditions contained in the said tender or thereby modify
these conditions or add thereto any further conditions as may be mutually agreed
to in between RECPDCL and the Tender AND the said Bank shall not be released
from its liability under these presents by an exercise by RECPDCL of its liberty
with reference to the matters aforesaid or by reason of time being given to the

Tenderer or any other forbearance, act or omission on the part of the RECPDCL or any indulgence by RECPDCL to the said Tenderer or any other matter or thing whatsoever.

02. The Bank hereby waive all rights at any time in consistent with the terms of this Guarantee and the obligations of the Bank in terms thereof shall not be otherwise affected or suspended by reason of any dispute or dispute having been raised by the Tenderer (whether or not pending before any arbitrator, tribunal or court) or any denial of liability by the Tenderer stopping or preventing or purporting to stop or prevent any payment by the Bank to RECPDCL in terms thereof.

03. We the said Bank, lastly undertake not to revoke this Guarantee during its currency except with the previous consent of RECPDCL in writhing and agree that any charges in the constitution, winding up, dissolution or insolvency of the Tenderer, the said Bank shall not be discharged from their liability.

NOTWITHSTADING anything contained above, the liability of the Bank in respect of this Guarantee is restricted to the said sum of Rs. _____
(Rupees

_____ only)
and this Guarantee shall remain in force till _____ unless a claim under this guarantee is filed with the bank within 30 (thirty) days from this date or the extended date, as the case may be i.e. upto _____ all rights under Guarantee shall lapse and the Bank be discharged from all liabilities hereunder.

In witness whereof the Bank has subscribed and set its name and seal here under.

Note: - The date shall be thirty (30) days after the last date for which the bid is valid.



ANNEXURE-B

PERFORMANCE BANK GUARANTEE

M/s. REC Power Distribution Company Ltd.
1016-23, 10th Floor, Devika Tower,
Nehru Place,
New Delhi
(With due Rs.100/- stamp duty, if applicable)

OUR LETTER OF GUARANTEE No. :

Date:

Amount:

Valid Date:

Bank Name & Address:

.....

In consideration of REC Power Distribution Company Ltd. having its office at 1016-1023, 10th floor, Devika Towers, Nehru Place, New Delhi (hereinafter referred to as "RECPDCL" which expression shall unless repugnant to the content or meaning there of include all its successors, administrators and executors) and having entered into an agreement dated _____/issued Work Order No. _____ dated _____ with/on as _____ (hereinafter referred to as "The service" which expression unless repugnant to the content or meaning thereof, shall include all the successors, Administrators and executors).

WHEREAS the Agency having unequivocally accepted to supply the materials as per terms and conditions given in the Agreement accepted to providing service as per terms and conditions given in the Agreement dated _____ /Work Order No. _____ dated _____ and RECPDCL having agreed that the Agency shall furnish to RECPDCL a Performance Guarantee for the faithful performance of the entire contract, to the extent of 10% (ten percent) (or the percentage as per the individual case) of the value of the Work Order i.e. for _____.

We, _____ (The Bank) which shall include OUR successors, administrators and executors herewith establish an irrevocable Letter of Guarantee No. _____ in your favour for account of _____ (The Agency) in cover of performance guarantee in accordance with the terms and conditions of the Agreement/work Order.

Hereby, we undertake to pay upto but not exceeding _____ (say _____ only) upon receipt by us of your first written demand accompanied by your declaration stating that the amount Claimed is due by reason of the Agency having failed to perform the Agreement and despite any contestation on the part of above named Agency.

REC Power Distribution Company Limited



This Letter of Guarantee will expire on _____ including 30 days of claim period and any claims made hereunder must be received by us on or before expiry date after which date this Letter of Guarantee will become of no effect whatsoever whether returned to us or not.

Authorized Signature
Chief Manager/Manger

Seal of Bank