



National Bank for Agriculture and Rural Development

**NATIONAL BANK FOR AGRICULTURE  
AND RURAL DEVELOPMENT  
MUMBAI**

**"Request for Proposal" Document  
for  
Supply, Installation, Testing, Commissioning  
and Maintenance  
of Switches for Local Area Network (LAN)  
at NABARD's Head Office Building,  
Bandra-Kurla Complex, Mumbai**

This Document contains 64 pages

National Bank for Agriculture and Rural Development (NABARD) invites sealed offers from established Vendors/Bidders for supply, installation, testing, commissioning and maintenance of switches for Local Area Network (LAN) at NABARD's Head Office Building at Bandra-Kurla Complex, Mumbai. The RFP document can be downloaded from NABARD's website [www.nabard.org](http://www.nabard.org) or purchased from the National Bank for Agriculture and Rural Development, Head Office, Department of Information Technology, Fifth Floor, C Wing, Bandra-Kurla Complex, Bandra (East), Mumbai - 400 051.



## **Table of Contents**

### **Part I - Technical Proposal**

- 1 Notice for Inviting Proposal
- 2 Terms and Conditions
  - 2.0 Scope of work
  - 2.1 Conditions of the RFP
  - 2.2 Eligibility Criterion
  - 2.3 Installation / Implementation Experience
  - 2.4 Validity period of the RFP
  - 2.5 Signatory
  - 2.6 Pre-Bid Meeting
  - 2.7 Opening of Quotation
  - 2.8 Earnest Money Deposit
  - 2.9 Bid Price
  - 2.10 Warranty period
  - 2.11 AMC
  - 2.12 Performance
  - 2.13 Network Monitoring Software Tools
  - 2.14 Training
  - 2.15 Indemnity
  - 2.16 Performance Guarantee
  - 2.17 Price Composition
  - 2.18 No Price Variations
  - 2.19 Import Obligations
  - 2.20 Terms of Payment
  - 2.21 Term of execution of work
  - 2.22 Timely completion and Liquidated Damages:
  - 2.23 Agreement
  - 2.24 Confidentiality
  - 2.25 Settlement of disputes by Arbitration:
  - 2.26 Order cancellation
  - 2.27 Right to Accept or Reject the Quotation
  - 2.28 Right to alter quantities
  - 2.29 Force Majeure
  - 2.30 Evaluation Process



## **Schedules**

- **Schedule 1**
  - Covering letter for submission of offer
  
- **Schedule 2**
  - Backup Commitment from the Manufacturer for System Maintenance
  
- **Schedule 3**
  - Letter of indemnity and undertaking
  
- **Schedule 4**
  - Performance Bank Guarantee
  
- **Schedule 5**
  - Details of acceptance tests
  
- **Schedule 6**
  - Network Diagrams - Existing & Proposed
  - Existing Switches Inventory
  
- **Schedule 7**
  - Organisational profile of the vendor/bidder
  
- **Schedule 8**
  - Detailed Specifications of the Switches
  - Network Rack Specifications
  
- **Schedule 9**
  - Manufacturer's Authorisation Form(MAF)
  
- **Schedule 10**
  - Technical specification Compliance Sheet



**Part II - Commercial Proposal**

**Schedule 1**

- Bill of material with commercials

**Annexures**

**Annexure A**

- e-Bidding Procedure

**Annexure A 1**

- Compliance Statement for e-Bidding

**Annexure A 2**

- Letter of Authority for participation in e-Bidding

**Annexure A 3**

- Vendor/Bidder's Agreement



National Bank for Agriculture and Rural Development

**Part I**

**NATIONAL BANK FOR AGRICULTURE  
AND RURAL DEVELOPMENT  
MUMBAI**

**"Request for Proposal" Document  
for  
Supply, Installation, Testing, Commissioning  
and Maintenance  
of Switches for Local Area Network (LAN)  
at NABARD's Head Office Building,  
Bandra-Kurla Complex, Mumbai**

**Technical Proposal**

---

- |  |   |                              |
|--|---|------------------------------|
| a) Date of RFP                                     | : | 30 September 2011            |
| b) Time and Last Date of<br>submission of RFP      | : | 1100 Hrs on 04 November 2011 |
| c) Pre-Bid Meeting                                 | : | 1100 Hrs on 17 October 2011  |
| d) Bid security value                              | : | Rs 2,60,000/-                |
| e) Fee for RFP document<br>(non-refundable)        | : | Rs 500/-                     |
| f) Time and Date of opening of<br>Technical Offers | : | 1130 Hrs on 04 November 2011 |
-



## 1. NOTICE INVITING PROPOSAL

National Bank for Agriculture and Rural Development, a body corporate established under the NABARD Act, 1981 (hereinafter referred to as "NABARD") having its Head Office at Plot No. C-24, Block 'G', Bandra-Kurla Complex, Bandra (East), Mumbai-400051 and Regional Offices (ROs)/Training Establishments (TEs) in different cities across the country, intends to invite sealed proposal from eligible Vendors/Bidders for Supply, Installation, Testing, Commissioning and Maintenance of LAN switches at NABARD's Head office at C-24, 'G' Block, Bandra Kurla Complex, Bandra (E), Mumbai-400051.

### **Two Part Offer:**

The offer will have to be submitted in two parts; Technical Offer (TO) & Commercial Offer(CO). TO must be submitted in sealed cover, giving full particulars, addressed to the Chief General Manager, Department of Information Technology, National Bank for Agriculture and Rural Development, C-24, Block 'G', Bandra-Kurla Complex, Bandra (East), Mumbai-400051. Two sets of TO must be submitted with identical contents at the time of submission of quotation. Each page of the quotation document must be signed with proper seal of Vendor/Bidder.

The envelope containing Technical Offer should be duly super-scribed with *"Technical Offer for Supply, Installation, Testing, Commissioning and maintenance of Switches for Local Area Network (LAN) at NABARD's Head Office Building, Bandra-Kurla Complex, Mumbai"*.

Technical Offer (TO) shall contain the following:

- Earnest Money Deposit specified herein below.
- Part - I of the RFP - A copy of 'Request for Proposal' document including Schedules and Annexures duly signed by authorised signatory of the Vendor/Bidder on each page
- Vendor/Bidder's letter giving technical clarifications, if any.
- An Undertaking by the Authorized Signatory of the Vendor/Bidder, on the letter head of the Vendor/Bidder stating that the Vendor/Bidder has not have been blacklisted by any Central/State Government Organization or PSU for any corrupt and fraudulent practice.
- Technical specification compliance sheet as per the proforma indicated in Part 1 - Schedule 10 of the RFP.
- Any other information called which the Vendor/Bidder would like to submit along with his 'Quotation'.
- Manufacturer's Authorisation Form (MAF) as per proforma given in



## National Bank for Agriculture and Rural Development

Part I - Schedule 9 of the RFP.

- Organisational /Financial Profile in prescribed format.
- Statement showing implementation experience details.
- Assurance from OEM regarding Backup AMC support as per proforma given in Part I - Schedule 2 of the RFP.
- A letter on vendor's letterhead as per proforma given in Part I schedule I.
- Compliance statement for e-bidding ad per Annexure A1.
- A letter on vendor's letter head as per Annexure A2.

It should be specifically noted that the contents of TO must not reveal commercials.

### **Part II - Commercial Offer (CO) / Price Bid**

The CO of the Quotation, i.e. Part II, shall be submitted **in electronic form** by the eligible Vendors/Bidders on the due date, as per the instructions. After completion of e-Bidding process, the winner of the e-biding auction will take a print-out from the system and affix the seal of the company and signature of the authorized person on it and shall submit the hard copy to NABARD in sealed envelope.

- a) This part shall contain prices in Indian Rupees only with detailed break-up of price as per format (**Part II - Schedule 1**) in figures.
- b) Rates should be keyed-in electronically in figures in the columns specified against each item of work in the e-document. All items of work shall be quoted. No request for any change in rate, specifications or conditions after e-Bidding process will be entertained.
- c) The rates quoted shall be deemed to be for the finished work and shall be firm and binding without any escalation whatsoever till the system is handed over to NABARD.
- d) The CO should not contradict the TO in any manner. The CO should comprise of Bill of Material as per **Part II - Schedule 1**. This must contain only price information.

The CO should be in conformity with the terms indicated in para 2.17 i.e. Price Composition .

The Technical offer must reach our office on or before **11:00 hrs on 04 November 2011**. No 'quotation' will be received after due date and time as stipulated above under any circumstances, whatsoever.



National Bank for Agriculture and Rural Development

## **1.2 Opening of 'quotation'**

The Part I of the quotation (Technical Officer)' will be opened at **11:30 hrs on 04 November 2011** at National Bank for Agriculture and Rural Development, Department of Information Technology, C-24, 'G' Block, Bandra-Kurla Complex, Fifth floor, C Wing, Bandra (East), Mumbai - 400 051, or in any other place designated by NABARD for this purpose in the presence of Vendors/Bidders or their representatives should they choose to remain present

Address for Communication

Chief General Manager,  
Department of Information Technology,  
Fifth Floor, C Wing, NABARD, Head Office,  
C-24, G-block, Bandra - Kurla Complex  
Mumbai 400051

Contact Telephone Numbers (022) 2653 9671, 2653 9301  
Fax No. (022) 26530087  
E-mail Id: [dit@nabard.org](mailto:dit@nabard.org)

**Any inquiry in this regard will be entertained up to the stipulated Date & Time of closure of RFP as mentioned above.**



## **2. Terms and Conditions**

### **2.0 Scope of work:**

The successful bidder needs to provide the following elements :

#### **2.0.1 Supply :**

- a) License for all the Hardware , Networking Components (Active & Passive) and Software (wherever applicable ).
- b) Manuals of the Hardware, Networking Components and Software( wherever applicable ).
- c) Media in the form of CD,DVD etc. (wherever applicable).
- d) Diagram of the entire LAN.

#### **2.0.2 Installation :**

- a) Installation,Commissioning & Configuration of the Network Racks.
- b) Installation,Commissioning & Configuration of the Active Networking Components.
- c) Installation,Commissioning & Configuration of the Passive Networking Components, if required.
- d) Migration from old switches to new switches.

#### **2.0.3 Warranty support and AMC:**

The successful bidder has to provide Comprehensive Post-Installation Warranty support and AMC for all the hardware, networking components (Active & Passive), Installed & commissioned by him, for a period of 7 (seven) years including warranty period of one year from the date of completion of the project. In case where the bidder might have to source full or part of the components or services from the OEM , the bidder shall stay responsible for the entire solution.

**2.0.4 Buyback of old switches** - Old chassis based Enterasys make switches as per inventory provided under Part I schedule 6 .

The Network design details in NABARD's Head Office (both present and proposed) are indicated in **Part 1 Schedule 6.**



## **2.1 Conditions of the RFP :**

2.1.1. NABARD would deal with a single bidder who can provide comprehensive support and is in a position to provide every element of the solution. Specific authorization from the original manufacturer of the Hardware, Networking Components (Active & Passive) and Software (wherever applicable) would be required for this project.

**2.1.2 All active networking components [switches of three types] offered by the vendor should be of the same make.** Complete specifications of all the products and services recommended in the proposal inclusive of make/ manufacturer/ developer shall have to be provided along with the technical bid.

2.1.3 The bidder has to submit supporting documents along with the Technical bid that the bidder is authorized to bid the Hardware, Networking Components (Active & Passive) and Software (wherever applicable ) [which are not his products] recommended by him in the proposal.

2.1.4 Submission of proposal in response to the RFP enquiry does not bind NABARD to award a purchase order for any service or product. NABARD would only deal with the successful bidder in matters related to Technical, Commercial and Legal aspects.

2.1.5 NABARD reserves the right to reject any particular bid or all the bids without assigning any reason whatsoever. Failure to select a bidder by NABARD shall not make NABARD liable to pay claim.

2.1.6 The bidder acknowledges the responsibility to respond promptly in contract with NABARD by submitting the proposal against this RFP enquiry. Failure to do so shall relieve NABARD of any contractual obligation to the bidder and NABARD reserves the right to select any other bidder for the awarded work.

2.1.7 Any additional/different terms & conditions proposed by the bidder shall be treated as rejected unless expressly assented in writing by NABARD.

2.1.8 The bidder explicitly acknowledges that they are experts and fully competent in executing the work involved in the provision of the tendered job and accept the responsibilities for the performance of all provisions and terms and conditions of the tendered job.

2.1.9 Any response or communications whatsoever from the bidder received after the last date/time shall be strictly treated as invalid unless



## National Bank for Agriculture and Rural Development

called for by NABARD.

2.1.10 No expense incurred by the bidder in the preparation of the quotation against the present tender enquiry shall be borne by NABARD. The submitted bids once opened shall not be returned to the bidder.

2.1.11 The price quoted for all components/products/services in the proposed solution should be competitive. NABARD reserves the right to verify the same independently and rejects bids not complying with this criterion.

2.1.12 The technical & functional specifications of all the items should comply with the criterion given under the relevant section of this tender. NABARD reserves the right to accept or reject any tender based on deviations (as per the discretion of NABARD), if any, from the technical specifications.

2.1.13 Any change in the engineering / up gradation applicable to hardware during the period of contract up to the completion of 6 years after warranty period of one year must be communicated to NABARD by the bidder immediately.

2.1.14 Any Software product upgrade released ( wherever applicable ) till the completion of the warranty and AMC period , shall be supplied free of cost by the bidder irrespective of whether OEM charges for the same. The bidder shall communicate any such upgrade to NABARD immediately.

2.1.15 Any corruption in the software or media ( wherever applicable ) provided by the bidder shall be rectified during the full period (warranty and AMC both) of the contract at no extra cost to NABARD.

2.1.16 The hardware , networking components (active & passive) , the entire LAN and the overall system shall be supported by the successful bidder for the entire period of warranty. The bidder is required to submit an undertaking to this effect along with the technical bid. Absence of the undertaking shall make the bid liable for rejection. It will be the sole responsibilities of the bidder to maintain the uptime efficiency, as described under clause 2.12.1, of the system.

2.1.17 The bidder shall be responsible for installation, commissioning & configurations of the hardware and networking components ( active & passive ) and related activities ( unpacking, uncrating, inspection etc. ). They shall ensure physical availability of all items as per the packing list.

2.1.18 The successful bidder shall provide Project Completion Report and Performance Guarantee Certificate after completion of work.



## 2.2 Eligibility Criterion:

Offers are invited only from those Vendors/Bidders who fulfill the following eligibility criteria.

2.2.1 The bidder should be **ISO-9001/2000 or SEI CMM level 5** or above firm. The product offered should comply with the certifications indicated in detailed specifications of the switches. The bidder should submit supporting documents along with the Technical bid.

2.2.2 **The bidder should be direct channel partner of the OEM**, preferably highest level channel partner and should be the one point contact for the entire project.

2.2.3 The bidder should provide proper authentication from the manufacturer/OEM as per the proforma given in Part I schedule 9 of the RFP. Bids without proper authentication from the manufacturer/OEM shall be treated as incomplete and shall be rejected.

2.2.4 The bidder should submit the valid Trade License Certificate along with the Technical bid.

2.2.5 The bidder should have a dedicated comprehensive support service centre at Mumbai having minimum 50+ OEM certified network engineers.

2.2.6 The bidder should produce document in support of having experience in System Integration or similar kind of work.

2.2.7 The bidder shall submit legal documentation pertaining to the status of the organisation including Memorandum of Article.

2.2.8 The Vendor/Bidder **should not have been blacklisted** by any Central/State Government Organization or PSU for any corrupt and fraudulent practice. An Undertaking by the Authorized Signatory on the letter head of the Vendor/Bidder should be submitted as a part of Technical Offer.

2.2.9 The Vendor/Bidder should submit its Organisational / Financial profile in the proforma detailed in **Part 1 - Schedule 7** as a part of Technical Offer. Documents supporting Financial Statement (like Copies of published Annual Reports etc.) should also be supplied along with Technical offer.

2.2.10 The vendor/Bidder should have minimum annual turn over of Rs 100 Cores in the last financial year i.e 2010-11 and should be a profit making entity for last three years. This should be individual company's turn over and net profit and not that of group of companies. Supporting documents in



this regard should be provided as a part of TO .

2.2.11 The vendor /Bidder should have the installation/implementation experience as detailed under para 2.3 of this document.

### **2.3 Installation / Implementation Experience:**

The Vendor/Bidder must have experience in installing, testing and commissioning of Switches from the offered OEM for single LAN with at least 1200 nodes in last three years. Vendor is also expected to have completed similar projects (with reputed OEMs, minimum 500 number of nodes) in three organizations preferably under BFSI segment with in last 5 years period.

A Statement containing the details of such implementations like Name of the firm, brief scope/description of the project, duration in months, from/to Team size, client details (including the name and details of contact person) should be submitted as a part of Technical Offer.

Photocopies of relevant documents / certificates should be submitted as proof in support of the claims made. NABARD reserves the right to verify /evaluate the claims made by the Vendor/Bidder independently. Non compliance of any of the criteria will entail rejection of the order.

### **2.4 Validity period of the RFP:**

'The quotation" shall remain open for acceptance by NABARD for a period of three months from the date of completion of 'e-bidding process'. The period may be extended by mutual agreement and the Vendor/Bidder shall not cancel or withdraw the 'Quotation' during this period.

The Vendor/Bidder must use only the formats prescribed in "Request For Proposal" to fill in the quotation.

The 'Quotation' must be filled in English and the amounts should be both in figures and words. If any of the documents is missing or unsigned, the 'Quotation' will be considered invalid and rejected by NABARD in its discretion.

All **erasures** and **alterations** made while filling the 'Quotation' must be attested by initials of the Vendor/Bidder. Overwriting of any kind is not permitted. Failure to comply with either of these conditions will render the 'Quotation' invalid at NABARD's discretion. No advice of any change in rate or conditions after the opening of the 'Quotation' will be entertained.



## **2.5 Signatory:**

Each page of the 'Quotation' document and Technical Offer should be signed by the person or persons submitting the 'Quotation' in token of Vendor/Bidder having acquainted himself with the General Conditions of Contract, Specifications, etc., as laid down.

## **2.6 Pre-Bid Meeting**

A pre-Quotation briefing meeting of the intending Vendors/Bidders will be held at **1100 hours on 17 October 2011** at DIT, NABARD, BKC, Mumbai to clarify any point/doubt raised by them in respect of the RFP. No separate communication will be sent for this meeting. All communication regarding points requiring clarifications shall have to be given in writing to The CGM, DIT, NABARD, Mumbai by the intending Vendors/Bidders on before **12.00 hours on 12 October 2011**. No request for change in date of pre-bid meeting will be entertained. After pre-bid meeting inclusion/submission of any deviations in the Quotation conditions in Part-I of the Quotation is liable for rejection. Clarifications, if any, will be published on NABARD's website. No fresh queries would be entertained after pre-bidding meeting.

## **2.7 Opening of Quotation**

Part I of the quotation i.e. TOs will be opened on **11:30 Hrs on 04 November 2011** at DIT, NABARD, BKC, Mumbai in the presence of the Vendors/Bidders who choose to remain present. NABARD shall examine the Part I of the quotation (Technical Offer) and advise the Vendors/Bidders eligibility to submit the Commercial Offer (Part II) electronically followed by e-Bidding process as explained in the instructions to the Vendors/Bidders. The lowest Vendor/Bidder shall be selected through the e-Bidding process for award of the work. The Electronic Reverse Auction based Commercial Bidding Procedure is indicated in Annexure A.

## **2.8 Earnest Money Deposit (EMD)**

The Vendor/Bidder shall furnish a EMD for an amount of Rs. 2.60 Lakh (Rupees Two Lakh Sixty Thousand only) in the form of Demand Draft / Pay Order drawn in favour of National Bank for Agriculture and Rural Development, payable / enforceable at Mumbai.

The EMD should form part of the Quotation Documents (Technical Offer - [Part I]) submitted by the Vendor/Bidder. Failure to comply with this condition viz., submission of Bid Security of Rs. 2.60 Lakh (Rupees Two Lakh Sixty Thousand only) shall result in summarily rejection of the Quotation/offer.



## National Bank for Agriculture and Rural Development

The EMD of unsuccessful Vendors/Bidders shall be returned within Four weeks, only after the successful completion of the Bid Process. No interest is payable on such amount.

The EMD of successful Vendor/Bidder will be returned only upon the Vendor/Bidder's completion of items listed in the scope of work. No interest would be payable on this amount.

The EMD shall be forfeited:

- i. If a Vendor/Bidder withdraws his offer during the period of validity of the bid.
- ii. If the successful Vendor/Bidder fails to execute the project satisfactorily within the stipulated time schedule. NABARD's decision in the above cases will be final.

### **2.9 Bid Price**

The Vendor/Bidder can purchase the RFP document from CGM, NABARD, DIT, "C" Wing, Fifth Floor, BKC, Bandra(E), Mumbai 400051 by tendering a crossed Account Payee Demand Draft / Pay Order for Rs. 500/- (Rupees Five Hundred only) drawn in favour of National Bank for Agriculture and Rural Development, payable at Mumbai towards the cost of RFP.

Alternatively the RFP document downloaded from NABARD's website can also be used for submission. However, the cost of the RFP i.e.,Rs. 500/- (Rupees Five Hundred only) (non refundable) should be paid by way of crossed Account Payee Demand Draft / Pay Order drawn in favour of National Bank for Agriculture and Rural Development, payable at Mumbai, while submitting the Quotation to NABARD. The above Demand Draft / Pay Order should be handed over to NABARD authorities **in a separate envelope**. The envelope should be duly super scribed as "Cost of RFP ofRs. 500/- (Rupees Five Hundred only) paid through Demand Draft / Pay Order No. \_\_\_\_\_ dated \_\_\_\_\_)".

### **2.10 Warranty period:**

On successful commissioning and completion of Acceptance Test of the switches and other equipments, Vendor/Bidder shall warrant the availability and functioning of switches and NMS software for a period of one year. During this warranty period Vendor/Bidder shall provide on site free maintenance services for trouble shooting of hardware and related software problems and replacement of parts free of charge.

### **2.11 Annual Maintenance Contract:**

Vendor/Bidder shall commit to support and provide maintenance service for



all the hardware and software supplied and installed. **The minimum period for such service shall be seven (07) years including warranty period of one year and subsequent six years of post warranty period.** It shall have a written backing from the manufacturer as per the proforma at Part 1 Schedule 2. It shall not sublet any portion of the contract except with the written consent of NABARD.

Vendor/Bidder shall propose annual charges separately for comprehensive maintenance service contract (All inclusive) for repairs and replacement of defective system components and software maintenance and upgradation applicable on expiry of one year warranty period.

## **2.12 Performance**

### **2.12.1 Uptime efficiency**

Vendor/Bidder shall ensure guaranteed monthly uptime efficiency of 99% during the warranty period and six years thereafter. The efficiency shall be calculated as follows:

E= Monthly uptime efficiency

A= Number of Working days in a month

B= Number of hours of network downtime in that month

$E = \{((A*12)-B)/A*12\} * 100$

Network will be considered down if any of the following happens:

Both core switches are down

Both Fiber ports on any of the Access switches are down

More than 9 ports of any Access switch are down

In case the Network is down below the prescribed efficiency level, the vendor is liable for a penalty of 5% of the Maintenance cost per year for every month when system availability falls below the expected availability of uptime efficiency of 99%, apart from replacement of the respective hardware/software at vendor's own cost for ensuring system availability. Such penalty shall be adjusted as maintenance credit against the AMC payable by the NABARD to the vendor.

### **2.12.2 Response Time to errors :**

The NABARD will classify all errors in to two categories :

1. Critical errors defined as the Errors that require/cause NABARD to shutdown the Network or stop all or some critical services through the switches.

2. Low Level Errors defined as those other errors that are not the Critical errors as defined above.



## National Bank for Agriculture and Rural Development

In case of an occurrence of an error in the system, NABARD reserves the sole right to categories it under one of the above category. The decision taken on this regard by NABARD shall be final and binding on the vendor.

The vendor undertakes and guarantees that all the Critical Errors will be resolved within twenty four hours of the NABARD intimating the same through e-mail, telephone or fax.

In case the Critical Errors are not resolved within the stipulated time as above, there shall be a per day penalty of 1% of the Maintenance cost per year for every day exceeding above said 24 hours resolution time apart from replacement of the respective hardware/software at Vendor's own cost for solving the errors. Such penalty shall be adjusted as maintenance credit against the AMC payable by the NABARD to the vendor.

The vendor undertakes and guarantees that all the Low Level Errors will be resolved within four days of the NABARD intimating the same through writing, telephone or fax. In case the Low Level Errors are not resolved within the stipulated time as above, there shall be a penalty of 1% of the Maintenance cost per year for every four (4) day's delay in resolution time apart from replacement of the respective hardware/software at the Vendor's own cost for solving such errors. Such penalty shall be adjusted as maintenance credit against the AMC charges payable by NABARD to the vendor.

### **2.12.3 Spare parts**

The vendor will make the spare parts for the switches and accessories available for a minimum period of seven years from the time of acceptance of the system.

If any of the peripherals/components are not available during the warranty/AMC period, the substitution shall be carried out with peripherals/components of equivalent or higher capacity. A written confirmation from the Hardware OEM regarding the same should be attached.

### **2.13 Network Monitoring Software Tools :**

Vendor/bidder is required to supply network monitoring software (NMS) which should have the following features: -

- a) **Fault Management** - Detect, isolate, notify, and correct faults encountered in the network.
- b) **Configuration Management** - Configuration aspects of network



## National Bank for Agriculture and Rural Development

devices such as configuration file management, inventory management, and software management.

- c) **Performance Management** - Monitor and measure various aspects of performance so that overall performance can be maintained at an acceptable level.
- d) **Security Management** - Provide access to network devices and corporate resources to authorized individuals.
- e) **Accounting Management**- information of network resources.
- f) **Report generation** - Capable of generating reports on all the above mentioned aspects
- g) **Capable of managing WAN** and monitoring WAN traffic management.

**2.14 Training** : Vendor/Bidder shall impart training on his products to NABARD's select staff members. It should cover the following details

Maximum persons to be trained from NABARD - 6 (Six)

Minimum working days training course - 8 full days

A	<b>Network concepts</b> overview Technology (Switches and Routing)	2 Days
B	<b>Network active components</b> Product details configuration trouble shooting	3 Days
C	<b>NMS software</b> Overview	2 Days
d	Hands on Training	1 Day

Note: Topic-wise number of days mentioned above are indicative and actual programme schedule will be worked out on mutually agreed terms.

Details of training being offered by the Vendor/Bidder needs to be furnished as per above detailed modules. The cost of training, if any, will be borne by the Vendor/Bidder.

### **2.15 Indemnity**

The Vendor/Bidder shall indemnify NABARD against all claims in respect of patent rights, design, trademarks of name or other protected rights in



respect of any switches or material used for (hardware and/or software) or in connection with the works or temporary works and from against all claims, demands proceedings, damages, costs, charges and expenses whatsoever in respect thereof or in relation thereto. The Vendor/Bidder shall defend all actions arising from such claims, before any such infringement and receive their permission to proceed, and shall himself pay all royalties, license fees, damages, costs and charges of all and every sort that may be legally incurred in respect thereof. The successful Vendor/Bidder is required to submit a “letter of indemnity and undertaking” as per the prescribed format (**Part I - Schedule 3**) within thirty (30) days of commissioning of switches and NMS.

### **2.16 Performance Bank Guarantee**

The Vendor/Bidder guarantees that he shall repair or replace free of cost, equipment, machinery, its parts and components found defective on account of bad workmanship or defective materials or inferior manufacture as mentioned in the warranty and guarantee clauses. The successful Vendor/Bidder should provide a performance bank guarantee for a period of seven years for an amount equivalent to 10% of the total order value of hardware and software from a Scheduled Commercial Bank in the format specified by NABARD within 30 days from the date of Work Contract. The Proforma for Performance Bank Guarantee is attached as Part I Schedule 4. In case, the Vendor/Bidder does not perform under the contract to the full satisfaction of NABARD, NABARD reserves the right to reject the items / services rendered under the contract in its entirety or partially, as the case may be, during the evaluation period and Vendor/Bidder shall be liable to refund the full or proportionate amount, if already paid for the said items / services etc. In this regard the decision of NABARD shall be final. The guarantee will be valid till the expiry of warranty period i.e., one year.

### **2.17 Price Composition:**

- The price offered to NABARD must be in Indian Rupees, inclusive of all taxes and duties such as Excise, Sales, Customs, Service tax etc., packing forwarding, import and custom clearance, transportation, insurance till delivery at Mumbai, cost of installation commissioning and comprehensive on-site maintenance services under warranty.
- Octroi /Entry tax, if applicable, will be reimbursed by NABARD at actual on production of original payment receipt.
- From the date of placing the order till the delivery of the equipment, if any changes are brought in the tax structure by the Government resulting in reduction of the cost of the equipments, the benefits arising out of such reduction shall be passed on to NABARD.
- Terms like “rates as applicable” will not be accepted and such bids are liable to be rejected without assigning any reason whatsoever.



## National Bank for Agriculture and Rural Development

- The Vendors/Bidders should quote prices strictly as per the price composition stated above failing which the offers are likely to be rejected.

### **2.18 No Price Variations**

The commercial offer shall be on a fixed price basis. No upward revision in the prices would be considered on account of subsequent increases in government taxes, duties, levies, etc. However, if there is any reduction on account of government taxes, duties, local levies, etc. during the offer validity period, the same shall be passed on to NABARD.

### **2.19 Import Obligations:**

In the event of it being necessary to import any materials of foreign manufacture, the Vendor/Bidder should obtain the same against his own normal license quota and should not look to NABARD for any assistance whatsoever for their procurement.

### **2.20 Terms of Payment**

Payment will be made from NABARD according to the procedure and schedule mentioned below:

#### **2.20.1 Supply of Hardware & Networking Components :**

30% of the total cost of Hardware, Software & other Networking Components shall be paid on supply of the listed Hardware, Software & other Networking Components and on submission of the supply certificate issued by the competent authority of NABARD.

#### **2.20.2 Installation, Commissioning & Configuration of Hardware, Software & other Networking Components :**

60% of the of the total cost of Hardware, Software & other Networking Components shall be paid after successful Installation, Commissioning & Configuration of Hardware, Software & other Networking Components of the listed Hardware, Software & other Networking Components and on submission of the Acceptance Test report duly signed by the vendor and the competent authority of NABARD. Proforma of Acceptance Test is provided as per **Part I - Schedule 5** .

#### **2.20.3 Balance Payment:**

10% of the of the total cost of Hardware, Software & other Networking Components shall be paid after one year of the commissioning of the project and on submission of Letter of Indemnity and undertaking as per proforma indicated as per **Part I - Schedule 3**.



## National Bank for Agriculture and Rural Development

Above referred payment is exclusive of AMC charges. The AMC charges will be paid by NABARD in 24 equal installments on Quarterly basis after end of respective quarter on the basis of invoices raised by the Vendor/Bidder and uptime efficiency as indicated earlier in the document. Alternatively, in case vendor desires so, the payment can be made in advance for a complete year against a performance bank guarantee of equal amount from a scheduled commercial bank. Proforma of performance bank guarantee is provided as per Part I Schedule 4.

### **2.21 Term of execution of work**

The overall time limit for satisfactory Supply, Installation, Testing and Commissioning of Switches for Local Area Network (LAN) and Network Monitoring Software shall be **eight weeks** from the date of acceptance of the work order. Time shall be the essence of the contract.

### **2.22 Timely completion and Liquidated Damages:**

If the Vendor/Bidder fails to effect and complete the work within the time as stipulated under the Section: "Term of execution of work", the Vendor/Bidder shall be liable to pay NABARD liquidated damages and not by way of penalty, a sum of 1 % of the contract price for each completed week of delay in completion of work. The Vendors/Bidders such liability for the delay in completing the work shall not in any case exceed 5 % of the contract price.

### **2.23 Agreement:**

The successful Vendor/Bidder shall execute an agreement with NABARD on stamp paper of appropriate value as per the draft agreement to be provided to it by NABARD, within fourteen days of receipt of letter of award of work. However, the issue of letter of award of work by NABARD shall be construed as a binding contract, as though such an agreement has been executed and all the terms and conditions shall apply on this contract.

### **2.24 Confidentiality:**

The details of the proposed service shall be treated as confidential information between NABARD and Vendor/Bidder. Any such information shall not be passed on in part or in full to any third party without NABARD's prior written approval.

### **2.25 Settlement of disputes by Arbitration:**

The Vendor/Bidder and NABARD shall use their best efforts to settle



## National Bank for Agriculture and Rural Development

amicably all disputes arising out of or in connection with the Agreement, or in respect of any defined legal relationship associated therewith or derived there-from. If any dispute arising out of or in connection with this Agreement, or in respect of any defined legal relationship associated therewith or derived there-from which cannot be mutually settled within 30 days from the date of receipt of the notice, the parties agree to submit that dispute to arbitration under the ICADR Arbitration Rules, 1996 to a sole arbitrator. The Authority to appoint the sole arbitrator shall be the International Centre for Alternative Dispute Resolution. The International Centre for Alternative Dispute Resolution will provide administrative services in accordance with the ICADR Arbitration Rules, 1996. The language of the arbitration proceedings shall be English. The place of arbitration proceedings shall be at Mumbai

### **2.26 Order cancellation**

NABARD reserves its right to cancel the entire/unexecuted part of the work contract at any time by assigning appropriate reasons in the event of one or more of the following conditions: -

1. Delay in delivery of the ordered equipment, etc. beyond eight weeks from the date of acceptance of the work order (except with written permission from NABARD).
2. Delay in installation and commissioning of the system beyond eight weeks from the date of acceptance of the work order (except with written permission from NABARD).
3. Any other appropriate reason in view of NABARD.

In addition to the cancellation of the work contract, NABARD reserves the right to foreclose the Bank guarantee given by the Vendor/Bidder towards performance of the contract to appropriate the damages.

### **2.27 Right to Accept or Reject the Quotation**

NABARD does not bind itself to accept the lowest bid or any or all Quotations and reserves to itself the right to accept or reject any or all the 'Quotations', either in whole or in part without assigning any reasons for doing so.

If any conditions are stipulated, at the time of submission of 'Quotations', they will be liable to be summarily rejected.



## **2.28 Right to alter quantities**

NABARD reserves the right to alter quantities to be purchased on the same terms and conditions.

## **2.29 Force Majeure**

In case either party is prevented from performing any of its obligations due to any cause beyond its control, including but not limited to act of God, fire, flood, explosion, war, action or request of governmental authority, systemic breakdown, failure of electricity supply, accident and labour trouble, the time for performance shall be extended until the operation or such cause has ceased, provided the party affected gives prompt notice to the other party of any such factors or inability to perform and resume performance as soon as such factors disappear or are circumvented. The decision of NABARD in this regard shall be final and shall not be questioned in arbitration or other legal proceedings.

## **2.30 Evaluation Process**

Only Quotations received on or before the stipulated date and time for responding to the RFP will be considered for further evaluation. The evaluation process will include:

Evaluation of RFP response (this may include scrutiny of proposal to ensure that the Vendor/Bidder meets the eligibility criteria, compliance to functional & technical requirement, presentations, demonstrations etc.)

From the technically qualified bids, Vendors/Bidders will be short listed for commercial evaluation.

The final decision regarding selection of Vendor/Bidder will be taken by NABARD. The implementation of the project will commence upon successful negotiation of a contract between NABARD and the selected Vendor/Bidder. NABARD reserves the right to reject any or all proposals fully or partially.

Similarly, NABARD reserves the right to include or not to include any Vendor/Bidder in the final short-list.

Vendor/Bidder will submit a certificate as detailed in **Part I Schedule 1**, on the letterhead and duly signed by Authorized signatory, This certificate will also form part of Technical Offer.

\*\*\*\*\*



National Bank for Agriculture and Rural Development

**Part I**

**Schedule 1**

*(Letter to NABARD on Vendor/Bidder's letterhead)*

The Chief General Manager  
National Bank for Agriculture and Rural Development  
Department of Information Technology, Fifth floor, C Wing  
C-24, 'G' Block, Bandra-kurla Complex,  
P.B. No. 8121, Bandra (East),  
Mumbai - 400 051.

Dear Sir,

**Sub: NABARD's Request for Proposal (RFP) for Supply, Installation, Testing, Commissioning and maintenance of Switches for Local Area Network (LAN) at Bank's Head Office Building, Bandra-Kurla Complex, Mumbai.**

With reference to the above RFP, having examined and understood the instructions, terms and conditions forming part of your above inquiry, we hereby enclose our offer for supply of the equipment and services as detailed in your above referred inquiry.

We confirm that the offer is in conformity with the terms and conditions as mentioned in your above referred RFP and enclosures.

We also confirm that the prices offered shall remain fixed for a period of 90 days from the date of e-Bidding.

We also understand that NABARD is not bound to accept the offer either in part or in full. If NABARD rejects the offer in full or in part, NABARD may do so without assigning any reasons therefore.

Yours faithfully,

Authorized Signatories

(Name & Designation, seal of the firm)

Date:



National Bank for Agriculture and Rural Development

**Part I**

**Schedule 2**

**Backup Commitment from the Manufacturer for System Maintenance**

The Chief General Manager  
National Bank for Agriculture and Rural Development  
Department of Information Technology, Fifth floor, C Wing  
C-24, 'G' Block, Bandra-kurla Complex,  
P.B. No. 8121, Bandra (East),  
Mumbai - 400 051.

Dear Sir

**Supply, Installation, Testing, Commissioning and maintenance of Switches for Local Area Network (LAN) at Bank's Head Office Building, Bandra-Kurla Complex, Mumbai.**

We hereby confirm that in the unlikely event of M/s. \_\_\_\_\_ failing to fulfill their obligations with respect to all inclusive maintenance service contract for \_\_\_\_\_ products to be installed in your premises, we undertake to render these services directly (or through another reputed System Integrator) to you at the same terms and conditions as Proposed by M/s. \_\_\_\_\_. This assurance will be valid for a minimum period of six years from the expiry of one year warranty period after handing over of the installation and for a further period as may be decided on the basis of a joint review after expiry of seven years.

We also understand that this letter will form the part of the contract documents to be executed between M/s. \_\_\_\_\_ and you.

Yours faithfully

For \_\_\_\_\_

(Name & Designation)



National Bank for Agriculture and Rural Development

**Part I**

**Schedule 3**

*(Letter Of Indemnity And Undertaking)*

**(To be stamped)**

The Chief General Manager  
National Bank for Agriculture and Rural Development  
Department of Information Technology, Fifth floor, C Wing  
C-24, 'G' Block, Bandra-kurla Complex,  
P.B. No. 8121, Bandra (East),  
Mumbai - 400 051.

Dear Sir

**Supply, Installation, Testing, Commissioning and maintenance of Switches for Local Area Network (LAN) at Bank's Head Office Building, Bandra-Kurla Complex, Mumbai.**

In consideration of \_\_\_\_\_ National Bank for Agriculture and Rural Development, a body corporate established under the National Bank for Agriculture and Rural Development Act, 1981 (hereinafter referred to as 'NABARD') agreed to purchase hardware/Software for LAN for the various functions as per the Schedule hereunder written and which are hereinafter for brevity sake referred to as 'the said systems package', subject to our furnishing declarations submit indemnity as contained hereafter.

NOW THEREFORE THIS LETTER OR INDEMNITY WITNESSETH THAT :

We, the \_\_\_\_\_ Limited hereby declare and certify that we are the rightful owners/ licencees of the said systems package offered for sale to NABARD and that the sale of the said systems package to NABARD by us and the use thereof by NABARD does not infringe the property or other intellectual property or copy rights of any other person and that the same does not infringe the Copy of Rights Act, 1957 or any other Act for the time being in force.

We, the \_\_\_\_\_ Ltd., hereby agree to indemnify and keep indemnified NABARD which includes its successors and assigns from all claims, suits, actions, losses, damages, judgments, costs and expenses sustained by NABARD for an infringement of a Covered Country patent, trademark or copyright by the licensed Product.

In witness whereof the \_\_\_\_\_ has put his hands and seal the month and



## National Bank for Agriculture and Rural Development

year first herein above mentioned

### Schedule

- (i)
- (ii)

Yours faithfully

(Name and Designation)  
of Authorised Official

Signed and delivered by \_\_\_\_\_  
The within named \_\_\_\_\_  
In the presence of \_\_\_\_\_

(i) Witness

(ii) Witness



**Part I**

**Schedule 4**

**Proforma of "PERFORMANCE BANK GUARANTEE"**

To

The Chief General Manager  
National Bank for Agriculture and Rural Development  
Department of Information Technology, Fifth floor, C Wing  
C-24, 'G' Block, Bandra-kurla Complex,  
P.B. No. 8121, Bandra (East),  
Mumbai - 400 051.

In consideration of NABARD having Head Office at C-24, G-Block, Bandra-Kurla Complex, P.O. Box No.8121, Bandra (E), Mumbai - 400 051 hereinafter referred to as "Purchaser" is desirous of installing and commissioning Core and Access switches along with related Network Management Software for the LAN at NABARD's Head Office Building, Mumbai (hereinafter referred to as "Goods") from M/s ----- (hereinafter referred to as "Contractor") on the terms and conditions contained in their agreement/purchase order No ----- dt. ----- (hereinafter referred to as the "Contract") subject to the contractor furnishing a Bank Guarantee to the purchaser as to the due performance of the computer hardware, network solution and associated components as per the terms and conditions of the said contract, to be supplied by the contractor and also guaranteeing the maintenance, by the contractor, providing network solution, along with associated components as per the terms and conditions of the said contract;

1) We, ----- (Bank) (hereinafter called "Bank"), in consideration of the premises and at the request of the contractor, do hereby guarantee and undertake to pay to the purchaser, forthwith on mere demand and without any demur, at any time up to ----- any money or moneys not exceeding a total sum of ` ----- (Rupees ----- only) as may be claimed by the purchaser to be due from the contractor by way of loss or damage caused to or would be caused to or suffered by the purchaser by reason of failure of computer hardware, network solution and associated components to perform as per the said contract, and also failure of the contractor to maintain the computer hardware, network solution and associated components as per the terms and conditions of the said contract.

2) Notwithstanding anything to the contrary, the decision of the purchaser as to whether computer hardware and / or network solution and / or associated components have failed to perform as per the said contract, and also as to whether the contractor has failed to maintain the computer



## National Bank for Agriculture and Rural Development

hardware, network solution and associated components as per the terms and conditions of the said contract will be final and binding on the Bank and the Bank shall not be entitled to ask the purchaser to establish its claim or claims under this Guarantee but shall pay the same to the purchaser forthwith on mere demand without any demur, reservation, recourse, contest or protest and/or without any reference to the contractor. Any such demand made by the purchaser on the Bank shall be conclusive and binding notwithstanding any difference between the purchaser and the contractor or any dispute pending before any Court, Tribunal, Arbitrator or any other authority.

3) This Guarantee shall expire on -----; without prejudice to the purchaser's claim or claims demanded from or otherwise notified to the Bank in writing on or before the said date i.e. ----- (this date should be date of expiry of Warranty).

4) The Bank further undertakes not to revoke this Guarantee during its currency except with the previous consent of the purchaser in writing and this Guarantee shall continue to be enforceable till the aforesaid date of expiry or the last date of the extended period of expiry of Guarantee agreed upon by all the parties to this Guarantee, as the case may be, unless during the currency of this Guarantee the purchaser certifies that the terms and conditions of the said contract have been fully carried out by the contractor and accordingly discharges the Guarantee.

5) In order to give full effect to the Guarantee herein contained purchaser shall be entitled to act as if the Bank is the purchaser's principal debtors in respect of all the purchaser claims against the contractor hereby Guaranteed by the Bank as aforesaid and the Bank hereby expressly waive all its rights of suretyship and other rights if any which are in any way inconsistent with the above or any other provisions of this Guarantee.

6) The Bank agrees with the purchaser that the purchaser shall have the fullest liberty without affecting in any manner the Bank's obligations under this Guarantee to extend the time of performance by the contractor from time to time or to postpone for any time or from time to time any of the rights or powers exercisable by the purchaser against the contractor and either to enforce or forbear to enforce any of the terms and conditions of the said contract, and the Bank shall not be released from its liability for the reasons of any such extensions being granted to the contractor for any forbearance, act or omission on the part of the purchaser or any other indulgence shown by the purchaser or by any other matter or thing whatsoever which under the law relating to sureties would, but for this provision have the effect of so relieving the Bank.



National Bank for Agriculture and Rural Development

7) The Guarantee shall not be affected by any change in the constitution of the contractor or the Bank nor shall it be affected by any change in the constitution of the purchaser by any amalgamation or absorption or with the contractor, Bank or the purchaser, but will ensure for and be available to and enforceable by the absorbing or amalgamated company or concern.

8) This guarantee and the powers and provisions herein contained are in addition to and not by way of limitation or in substitution of any other guarantee or guarantees heretofore issued by us (whether singly or jointly with other banks) on behalf of the contractor heretofore mentioned for the same contract referred to heretofore and also for the same purpose for which this guarantee is issued, and now existing uncanceled and we further mention that this guarantee is not intended to and shall not revoke or limit such guarantee or guarantees heretofore issued by the Bank on behalf of the contractor heretofore mentioned for the same contract referred to heretofore and for the same purpose for which this guarantee is issued.

9) Any notice by way of demand or otherwise under this guarantee may be sent by special courier, telex, fax or registered post to the Bank's local address as mentioned in this guarantee.

10) Notwithstanding anything contained herein:-

i) The Bank's liability under this Bank Guarantee shall not exceed ` ----- (Rupees----- only);

ii) This Bank Guarantee shall be valid up to -----; and

iii) The Bank is liable to pay the Guaranteed amount or any part thereof under this Bank Guarantee only and only if the purchaser serve upon the Bank a written claim or demand on or before ----- (date of expiry of Guarantee).

11) The Bank has power to issue this Guarantee under the statute/constitution and the undersigned has full power to sign this Guarantee on behalf of the Bank.

Date this ----- day of ----- 2011 at -----

For and on behalf of ----- Bank.

Sd/- -----

\*\*\*\*\*



National Bank for Agriculture and Rural Development

**Part I**

**Schedule 5**

**Details of Acceptance Tests at Bank's Site after  
Completion of Installation & Configuration**

<b>S.N</b>	<b>Name of the test *</b>	<b>Methodology for the test</b>	<b>Duration of the test</b>	<b>Remarks</b>

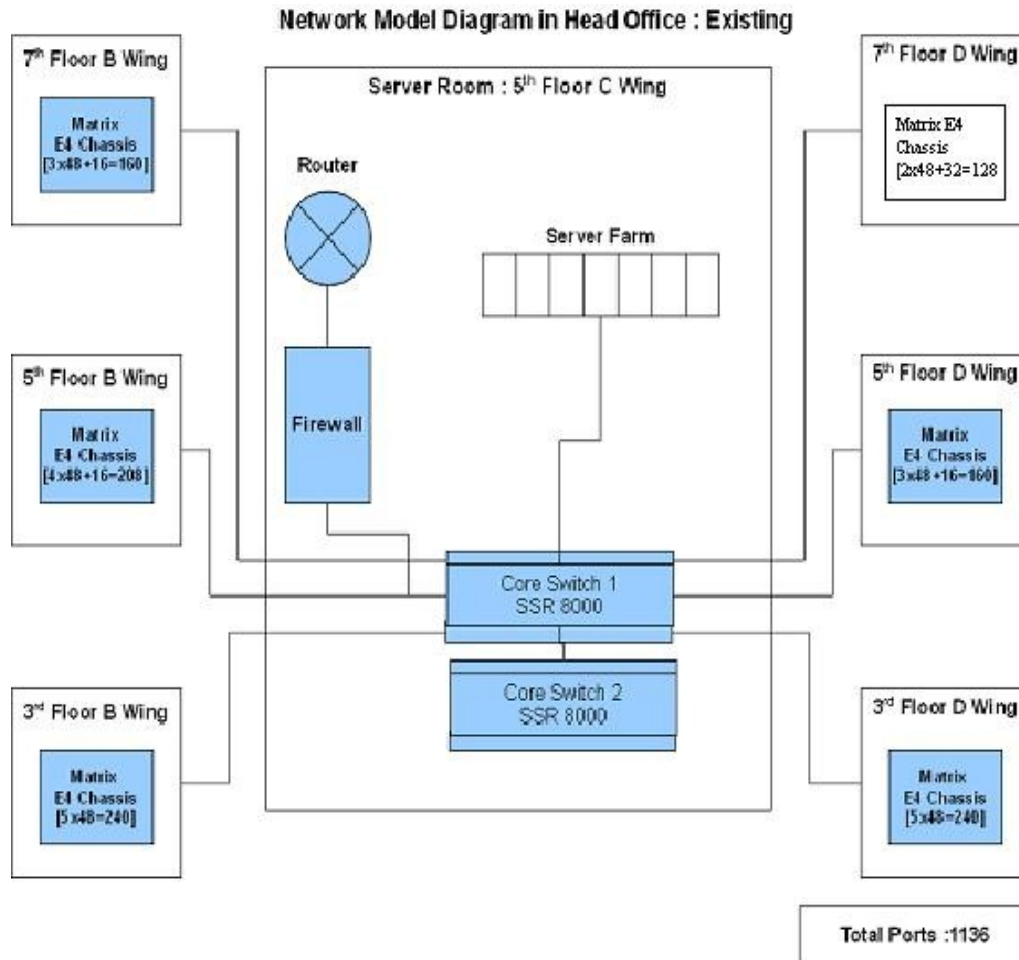
Signature of the Vendor/Bidder

Date

Note : \* To be indicated separately for each type of Switch



## Part I Schedule 6 Network Diagrams



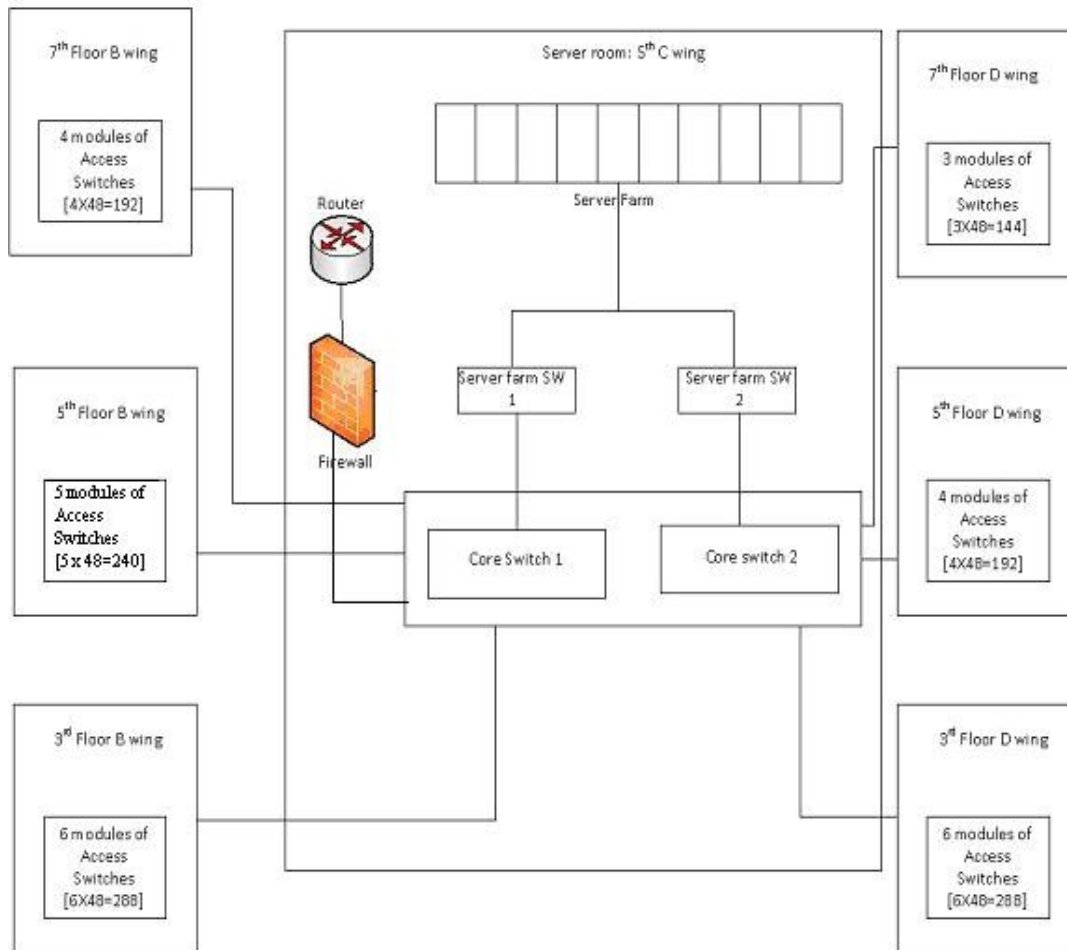
The two Core switches are connected to each other with GBIC (Gigabit speed Copper Cable). Six Access Switch Stacks are connected to the core Switches through Multi-Mode Fibre Optic cables (MMFO). All nodes in the network are connected to the Access Switch Stacks with the use of CAT5 UTP cables. All servers are connected directly to the core switch.

In the LAN, Seven(07) VLANs (Virtual LANs) are created and all the nodes are logically added to these VLANs.



## National Bank for Agriculture and Rural Development

Proposed Network Model diagram – Head Office



Total Ports = 1344

The two Core switches should be connected to each other with existing GBIC (Gigabit speed Copper Cable). Six Access Switch Modules should be connected to the core Switches through existing Multi-Mode Fibre Optic cables (MMFO). All nodes in the network are to be connected to the Access Switch Modules using the existing CAT5 UTP cables. All servers should be connected to the Core switch through two server farm Switches ( See pic.).

The Server Farm should be placed in a DM Zone for restricted access. Logical VLANs should be created to enhance and secure the local network.



National Bank for Agriculture and Rural Development

**NABARD - Existing Network Switches**

Purchased in FY 2002-03

Sr No	Particulars		Quantity
<b>I</b>	<b>Entrasys SSR 8000</b>		<b>2</b>
	<i>(Part Description)</i>	<i>(Part No.)</i>	
1	SSR Chassis	SSR-8	
2	SSR Power Supply	SSR-PS-8	
3	SSR Power Supply	SSR-PS-8	
4	SSR – Control Modules	SSR-CM2-64	
5	SSR – Control Modules	SSR-CM2-64	
6	SSR 8/16 16 Port 10/100	SSR-HTX32-16	
7	SSR 8/16 2 Port 1000 Base TX	SSR-GTX32-02	
8	SSR-MEM – 128	SSR-MEM-128	
9	Blank PCMCIA	SSR-PCMCIA	
10	SSR 4X1000BaseSX	SSR-GSX31-04	
11	SSR 4X1000BaseSX	SSR-GSX31-04	
12	SSR Routing Software	SSR-RS-ENT	
<b>II</b>	<b>Entrasys Matrix E5</b>		<b>4</b>
	<i>(Part Description)</i>	<i>(Part No.)</i>	
1	E5 Chassis	SC105	
2	Power Supply	SC205-3	
3	48 * 10/100 Ports	SH152-50	
4	48 * 10/100 Ports	SH152-50	
5	48 * 10/100 Ports	SH152-50	
6	48 * 10/100 Ports	SH152-50	
7	2 Port GBIC Uplink Module	5PIM-G06	
8	1000BaeSX GBIC	GPIM-01	
9	1000BaeSX GBIC	GPIM-01	
<b>III</b>	<b>Entrasys Matrix E5</b>		<b>2</b>
	<i>(Part Description)</i>	<i>(Part No.)</i>	
1	E5 Chassis	SC105	
2	Power Supply	SC205-3	
3	48 * 10/100 Ports	SH152-50	
4	48 * 10/100 Ports	SH152-50	
5	48 * 10/100 Ports	SH152-50	
6	2 Port GBIC Uplink Module	5PIM-G06	
7	1000BaeSX GBIC	GPIM-01	
8	1000BaeSX GBIC	GPIM-01	



**Part I**

**Schedule 7**

**Organisational / Financial PROFILE OF THE VENDOR/BIDDER**

Constitution	:	Proprietary/Partnership/Private Ltd./Public Ltd. ( <i>Tick one</i> )	
Established since (MM/YY)	:		
Address of Registered Office	:		
Classification	:	<ul style="list-style-type: none"> <li>• Solution Provider/System Integrator</li> <li>• Hardware Vendor/Bidder</li> <li>• Software Developer</li> <li>• Service Support Co.</li> <li>• Others (please specify)</li> </ul>	
If Joint Venture, then specify names of Partners in the JV	:		
		<b>Name</b>	<b>Position/Designation</b>
Name(s) of Proprietor(s) / Partner(s) / Directors	:	1	
		2	
Number of Hardware/System Software Engineers familiar with the Product offered	:		
Total Number of Employees	:		
Number of locations where Service Support Centers are available for catering to the Product being supplied	:		



National Bank for Agriculture and Rural Development

Products deployed/serviced	:	1			
		2			
Business Figures for 3 years copies of supporting documents to be enclosed	:	Sales turnover (Rs. Lakh)	Net Profit (Rs. Lakh)		
Current Year					
Last Year					
Year Before Last					
List of reputed major Corporate Customers to whom the similar solution is provided	:	<p><i>Please furnish details in the following format.</i></p> <p><i>Important : Indicate the contact details of at least 3 of your clients.</i></p>			
Name and address of the Customer with phone number	Approx. total units connected using devices supplied in Customer's Organisation	Year of Supply	Brief details of items supplied	Approx. Value of Order (Rs. Lakh)	Whether the Customer is continuing under Warranty/AMC

**Signature of Vendor/Bidder** : \_\_\_\_\_

**Name:** \_\_\_\_\_



## National Bank for Agriculture and Rural Development

### Part I Schedule 8 Detailed Specifications

#### Specifications : Core Switch

S.N.	Feature and Description	Minimum Requirement	
1	Chassis configuration	6 slot or more excluding two dedicated slots for Management / Processor / Fabric.	
2	Backplane	2 Tbps (Passive) and scalable	
3	Wirespeed Switching capacity	960 Gbps	
4	Throughput	700 mpps distributed forwarding performance for IPv4 / IPv6	
5	Switching capacity per I/O Modules	80 Gbps and scalable	
6	Ports	10/100/1000Base-Tx	16 and scalable
		1000Base-SFP/SFP+	24 and scalable
		10GBase-XFP/SFP+	4 and scalable
7	Active VLANs	1000 active vlans using 802.1q and 4000 Vlan ID  Should support port based vlans, guest vlans, Dynamic Vlans allocation	
8	IPv6 support	Should support IPv4/IPv6 Dual stack with IPv4 and IPv6 full support for ACL and QoS	
9	MAC support	Should support minimum 65000 MAC address	
10	L3 routing protocol	Should support to the following routing protocols for both IPv4/IPv6 version of OSPF, VRRP, BGP, ISIS, Policy based routing	
11	Multicast	Should support MLD, IGMP snooping, LLDP, PIM-SM / DM/ SSM	
12	Security	Should support Unicast Reverse Path Forwarding, Port to vlan to MAC binding, IP source Guard, DHCP snooping  Standard and extended ACL's, Time based ACL on all ports  Should support NAC enabled functionality like MAC/802.1x Authentications Should support Policy based routing for NAC web redirections. IP+MAC+VLAN ID, and port binding  Should support CPU DOS protection with separate Data and Control Plane.  Should support MAC and Web-based authentication  Should support per port Multiple User Authentication	



## National Bank for Agriculture and Rural Development

		via IEEE 802.1X, Web portal and/or MAC address simultaneously
13	Reliability / Redundancy	<p>Should support modular/external redundant power supply</p> <p>OAM (IEEE 802.3ah), Jumbo Frames, UDLD or equivalent, 50 ms fail over technology</p> <p>Router redundancy Protocol namely HSRP or equivalent</p> <p>Multimodule EtherChannel technology or equivalent Link Aggregation technology</p> <p>Rapid Spanning Tree Protocol (RSTP)</p> <p>Multiple Spanning Tree Protocol (MSTP) with 10 plus instances support</p> <p>Rapid convergence Layer 3 protocols shall support hitless or graceful restart of OSPF and IS-IS BGP</p>
14	Vitrualization/equivalent technology support	<p>The Chassis switch Should support virtual distribution architecture allowing for the combination of two physical switches into a single logical network entity from the network control-plane and management perspectives. To the neighbouring devices, the Virtual Switching System appears as a single, logical switch or router.</p> <p>This function should enables multiple interconnected switches to behave as a single management switching entity to configure Layer 2 and Layer 3 features and function</p> <p>Should enable and support link aggregation across different modules/switches in the same virtual domain using IEEE 802.3ad link aggregation protocols or equivalent with the same / third party OEM using the IEEE 802.3ad standards.</p>
15	Management	Should support secure management via SSH, SSL, SNMPv3, RADIUS and TACACS+. Should provide centralised support for Authentication, Authorization and Accounting management.

### Other Features :

- Each chassis Should not have single point of failure from Fabric/management or power supplies prospective
- Should have 6 or more payload slots to meet the current and mentioned scalable system requirement in wirespeed non-blocking operation.
- Should give Wirespeed performance



## National Bank for Agriculture and Rural Development

- Should provide a distributed forwarding architecture whereby the switching and control functions are embedded on each module, delivering unsurpassed reliability, scalability and fault tolerance
- A distributed flow-based switching architecture is preferred to provide maximum visibility.
- Should support automated module set-up and reconfiguration, allowing a new or replacement module to automatically get its configuration and firmware.
- Should offer a wide range of interfaces and port densities including 10/100/1000BASE-TX, 1000BASE-X SFP, and 10GBASE-XFP/ SFP+.
- All modules should support hot swappability without any reboot required.
- All proposed modules should offer non-blocking architecture.
- Should support lowest power consuming hot-swappable power supplies under full load configuration.
- The proposed switch should support service modules viz. Firewall module , IPS Module, Wireless LAN services module without any need of operating systems or hardware except for the service modules mentioned above and should not affect the performance of the chassis.
- Should support IPv6 Management and routing protocols.
- Should be able to operate in a role based security architecture.
- Should support SNMPv1, SNMPv2c, and SNMPv3.
- Should support RMON (Statistics, History, Alarms, Events, Host, HostTopN, Matrix, Capture and Filter)
- Should support VRF (Virtual Routing and Forwarding) or equivalent MPLS based L2 and L3 VPNs, BGP,
- Should offer integrated NAT, LSNAT and TWCB functions with additional Firewall modules
- Should support Multi-layer packet classification
- Should support IP Class of Service (COS)
- Should support multiple queuing mechanisms (SPQ, WFQ, WRR, and Hybrid) or equivalent
- Should support inbound and outbound bandwidth rate control per flow
- Should support 802.1w Rapid Reconfiguration of Spanning Tree
- Should support 802.1s Multiple spanning trees
- Should support Port/VLAN mirroring options (one-to-one, one-to-many, many-to-many)
- Should support 802.3ad Link Aggregation
- Should support packet count (pps) or bandwidth based rate limiters
- Should support the ability to limit the number of new flows or established flows that can be programmed on an individual switch port to combat a DoS attack.
- Should support IEEE 802.1X Port Based Network Access, MAC-based Authentication, Radius Snooping and Port Based Web Authentication.
- Should support Convergence End Point (CEP) discovery and authentication
- Should support dynamic and static MAC Based Port Locking
- Should support the ability to limit the number of flows per port automatically and



## National Bank for Agriculture and Rural Development

assign actions to definable limits

- Should support the ability to authenticate multiple users on a single port, the capacity to authenticate over 2,000 users per port/module/system should be supported in the chassis series.
- Should support multiple authenticated users per port with unique policies per user/end system (VLAN association independent)
- Should support at least 30000 ACL policies rules per system
- Should support VLAN-to-Policy mapping
- Should support LLDP and LLDP-MED
- Should support line rate un-sampled NetFlow (v5/v9) or equivalent.
- Operating Temperature: +5 °C to +40 °C (41 °F to 104 °F)
- Operating Humidity: 5% to 90% relative humidity, non-condensing
- Should meet safety standards including UL 60950-1, FDA 21 CFR 1040.10 and 1040.11, CAN/CSA C22.2 No. 60950-1, EN 60950-1, EN 60825-1, EN 60825-2, IEC 60950-1, 2006/95/EC (Low Voltage Directive) and similar standards
- Should meet Electromagnetic compatibility including FCC 47 CFR Part 15 (Class A), ICES003 (Class A), EN 55022 (Class A), EN 55024, EN 61000-3-2, EN 61000-3-3, AS/NZ CISPR-22(Class A).VCCI V-3. CNS 13438 (BSMI), 2004/108/EC (EMC Directive) and similar standards

### Specifications : Server Farm Switch

S.N.	Feature and Description	Minimum Requirement						
1	Switching Capacity	Minimum 240 Gbps switching fabric						
2	Throughput	130 Mpps for IPv4/IPv6 performance						
3	Switch architecture	Stackable, Nonblocking hardware-based switching and routing Architecture						
4	Ports	<table border="1"> <tr> <td>10/100/1000Base-Tx</td> <td>48 and scalable</td> </tr> <tr> <td>1000Base-SFP/SFP+</td> <td>4 and scalable</td> </tr> <tr> <td>10GBase-XFP/SFP+</td> <td>4 and scalable</td> </tr> </table>	10/100/1000Base-Tx	48 and scalable	1000Base-SFP/SFP+	4 and scalable	10GBase-XFP/SFP+	4 and scalable
10/100/1000Base-Tx	48 and scalable							
1000Base-SFP/SFP+	4 and scalable							
10GBase-XFP/SFP+	4 and scalable							
5	Active VLANs	1000 active vlans using 802.1q and 4000 Vlan ID						
		Should support port based vlans, guest vlans, voice vlans, Dynamic Vlans allocation						
6	IPv6 support	Should support IPv4./IPv6 Dual stack with IPv4 and IPv6 full support for ACL and QoS						
7	MAC support	Should support minimum 32000 MAC address						
8	L3 routing protocol	Should support following routing protocols for both IPv4/IPv6 version of OSPF, VRRP, policy based routing						
9	Multicast	Should support MLD, IGMP snooping, LLDP						
10	Security	Should support Unicast Reverse Path Forwarding, Port to vlan to MAC binding, IP source Guard, DHCP snooping						
		Should support MAC and Web-based (PWA) authentication						



## National Bank for Agriculture and Rural Development

		Should support per port Multiple User Authentication via IEEE 802.1X, Web portal and/or MAC address simultaneously
11	Reliability / Redundancy	Should support modular/external redundant power supply  OAM (IEEE 802.3ah), Jumbo Frames, UDLD or equivalent, 50 ms fail over technology  Should support Virtual Router Redundancy Protocol (VRRP)
12	Stacking Function for stackable switches	Stack should offer minimum 2 x 10Gbps stacking interfaces,  Stacking function should enable multiple interconnected switches to behave as a single management switching entity to configure Layer 2 and Layer 3 features and function, together to form Distributed Fabric architecture with chassis like benefits.  Should enable stacking across different switches in the same stack using IEEE 802.3ad link aggregation protocols or equivalent.  In each stack the first and last stacked switch should be populated with 10Gig SR optics for stack link redundancy.
13	Management	Should support secure management via SSH, SSL, SNMPv3, RADIUS and TACACS+. Should provide centralised support for Authentication, Authorization and Accounting management.

### Other features :

- Should support a variety of modular interfaces modules including 10 Gigabit XFP, Gigabit SFP+, 10/100/1000 and 100Base-TX.
- Should provide line-rate switching and routing on all ports
- Should support IP Multicast
- Should support Ingress Rate Limiting
- Should support Weighted Round Robin and Strict Priority Queuing using IEEE 802.1p precedence, IP, DSCP, Type of Service (ToS) precedence, weighted random early discard, weighted fair queuing
- Should support up to eight priority queues per port
- Should support IEEE 802.3ad Link Aggregation
- Should support IEEE 802.1x User Authentication
- Should support MAC Port Locking (Dynamic and Static)
- Should support LLDP / LLDP-MED
- Should support the following RMON groups: Statistics, History, Alarms, Events, Packet Capture/Filtering Sampling
- Should support Secure Copy and Secure FTP
- Should support DHCP snooping and ARP spoofing protection
- Should support sFlow or equivalent
- Should support per port static and dynamic policy
- Should support IEEE 802.1s Multiple Spanning Tree



## National Bank for Agriculture and Rural Development

- Should support IEEE 802.1w Rapid Reconfiguration of Spanning Tree
- Should support IGMP Snooping (v1, v2, v3)
- Should support up to 4,000 VLAN IDs and up to 1000 VLANs active simultaneously in a single stack
- Should support IEEE 802.1Q VLANs, port-based VLANs, protocol-based VLANs and tagged-based VLANs with full support for the MRP and MVRP protocols.
- Should support Jumbo Ethernet Frames
- Should support static routing as well as the following protocols in the base software: Routing Information Protocol (RIP v1/v2), Internet Control Message Protocol (ICMP), ARP Redirect, DHCP Relay, BOOTP Relay.
- Should support IPv6 routing & Management
- Should support operating temperatures up to 40°C
- Operating Humidity: 5% to 90% relative humidity, non-condensing
- Should meet safety standards including UL 60950-1, FDA 21 CFR 1040.10 and 1040.11, CAN/CSA C22.2 No. 60950-1, EN 60950-1, EN 60825-1, EN 60825-2, IEC 60950-1, 2006/95/EC (Low Voltage Directive) and similar standards
- Should meet Electromagnetic compatibility including FCC 47 CFR Part 15 (Class A), ICES003 (Class A), EN 55022 (Class A), EN 55024, EN 61000-3-2, EN 61000-3-3, AS/NZ CISPR-22(Class A).VCCI V-3. CNS 13438 (BSMI), 2004/108/EC (EMC Directive) and similar standards

### Specifications : Access Switch

S.N.	Particulars	Minimum Requirement	
1	Manageable	Per port basis	
2	Scalable Stacking	Minimum 6 units	
3	Ports	10/100/1000Base-Tx	48 and scalable
		1000Base-SFP/SFP+	2 and scalable
		10GBase-XFP/SFP+	2 and scalable
4	Active VLANs	1000 active vlans using 802.1q and 4000 Vlan ID	
5	Throughput	100 Mpps for IPv4/IPv6 performance	
6	Switching Capacity	minimum 176 Gbps for wirespeed operations	
7	QoS	Cross stack QoS enabled	
8	Stacking	Closed loop	
		It should offer minimum 2 x 10Gbps ports and stacking interfaces.	
		Stacking function should enable multiple interconnected switches to behave as a single management switching entity to configure Layer 2 and Layer 3 features and function, together to form Distributed Fabric architecture with chassis like benefits.	
		Should enable stacking across different switches in the same stack using IEEE 802.3ad link aggregation protocols or	



## National Bank for Agriculture and Rural Development

		equivalent.  In each stack first and last stack switch should be populated with 10Gig SR optics for stack link redundancy.
9	VLAN	Should support port based vlans, guest vlans, voice vlans, Dynamic Vlan allocation
10	IPv6 support	Should support IPv4./IPv6 Dual stack with IPv4 and IPv6 full support for ACL and Qos
11	MAC support	Should support minimum 12000 MAC address
12	L3 routing protocol	Should support basic IP Routing (static routes and RIP v1/v2) without an add-on license for both IPv4 and IPv6
13	Multicast	Should support MLD, IGMP snooping, LLDP, PIM-SM/DM/SSM
14	Security	Should support MAC and Web-based (PWA) authentication  Should support per port Multiple User Authentication via IEEE 802.1X, Web portal and/or MAC address simultaneously
15	Reliability Redundancy /	Should support modular/external redundant power supply  OAM (IEEE 802.3ah), Jumbo Frames, UDLD or equivalent, 50 ms failover technology
16	Management	Should support secure management via SSH, SSL, SNMPv3, RADIUS and TACACS+. Should provide centralised support for Authentication, Authorization and Accounting management.

### Other features :

- Should support COS Inbound Rate Limiting per Policy User
- Should support 802.1p Traffic Classification
- Should support Layer 2/3/4 packet classification capabilities, which can be based upon physical port ID, MAC address, IP subnet, IP address, IP protocol type, IP Type of Service (ToS), differentiated services code point (DSCP), and TCP/UDP port
- Should Support IP ToS Rewrite
- Should support Weighted Round Robin and Strict Priority Queuing
- Should support up to eight priority queues per port
- Should support IEEE 802.3ad Link Aggregation
- Should support distributed link aggregation between multiple switches in a stack
- Should support redundant stack management
- Should support stack management via a single IP address
- Should support redundant power as an option
- Should support IEEE 802.1x User Authentication
- Should support MAC authentication
- Should support Web-based authentication
- Should support multiple user authentication via IEEE 802.1X, Web portal and/or MAC address simultaneously for up to four users/devices per port
- Should support MAC Port Locking (Dynamic and Static)
- Should support Dynamic VLAN Assignment (RFC 3580) or equivalent
- Should support dual IPv4/IPv6 management
- Should support multiple RFC-3580 Users per Gigabit port (up to 4)
- Should support Secure Copy and Secure FTP
- Should support DHCP snooping and ARP spoofing protection to protect from rogue DHCP/ARP spoofing attacks



## National Bank for Agriculture and Rural Development

- Should support high-temperature alerts via SNMP traps and syslog events.
- Should provide power supply and fan monitoring via SNMP
- Should support the following RMON groups: Statistics, History, Alarms, Events, Packet Capture/Filtering Sampling
- Should support sFlow or equivalent
- Should support Port Mirroring
- Should support per port static and dynamic policy
- Should support IEEE 802.1s Multiple Spanning Tree
- Should support IEEE 802.1w Rapid Reconfiguration of Spanning Tree
- Should support IGMP Snooping (v1, v2, v3)
- Should support up to 4000 VLAN IDs and up to 1000 VLANs active simultaneously in a single stack
- Should support IEEE 802.1Q VLANs with full support for the MRP and MVRP protocols
- Should support LLDP / LLDP-MED Network-Policy TLVs
- Should support Jumbo Ethernet Frames
- Should support operating temperatures up to 40°C.
- Operating Humidity: 5% to 90% relative humidity, non-condensing
- Should meet safety standards including UL 60950-1, FDA 21 CFR 1040.10 and 1040.11, CAN/CSA C22.2 No. 60950-1, EN 60950-1, EN 60825-1, EN 60825-2, IEC 60950-1, 2006/95/EC (Low Voltage Directive) and similar standards
- Should meet Electromagnetic compatibility including FCC 47 CFR Part 15 (Class A), ICES003 (Class A), EN 55022 (Class A), EN 55024, EN 61000-3-2, EN 61000-3-3, AS/NZ CISPR-22(Class A).VCCI V-3. CNS 13438 (BSMI), 2004/108/EC (EMC Directive) and similar standards

### **Network Management Software (NMS)**

- Should provide a system-level management tool with 50 device support and scalable to 5000 with additional license upgrade without the change in the base proposed system
- Should allow system-level operations such as device discovery, event management, logging and application maintenance to be performed centrally.
- architecture Should be distributed with client-server architecture
- Server installation option should include Windows, Linux, etc
- Should support IPv6 Devices management
- Should provide one click device topology maps.
- Should include several purpose-built plug-in applications that are integrated to provide specific, value-add capabilities to the management system.
- Unified LAN/WLAN/WAN/Security management system simplifies tools and automates management tasks across the entire infrastructure
- Should provide the capabilities to modify, filter, and create your own flexible views of the network.
- Should allow for graphing or viewing in table format and multiple Object Identifiers that are user selectable.
- Should allow scheduled events or tasks that the user can perform behind the scenes or schedule an event for another time in the future.
- Should provide a utility to view and select Management Information Base (MIB) objects from a tree-based representation and include a compiler for new or third-party MIBs.
- Should provide a system wide deployment of VLAN configuration and monitoring capabilities.



## National Bank for Agriculture and Rural Development

- Should support SNMP v1/v2/v3 &
- Should have built-in SNMP, Syslog, BootP & TFTP Server
- Should support integration for AAA, NAC, Network Traffic Analysis.
- Should be provision to locate endpoint and user search tool that allows the administrator to quickly locate information pertaining to an individual network user or group of users across the wired network
- NMS Should have option to optimizes network management and help desk troubleshooting with anywhere, anytime access to critical information using popular mobile devices
- Should provide comprehensive remote management support for all proposed network devices .
- NMS Should support third-party devices management and configuration.
- Should support the ability to define policies once and enforced the policies automatically on the proposed security-enabled infrastructure devices.
- NMS Should have alarms/events interface reports alarm and event information from managed devices and This information may be archived, exported, filtered, or searched.
- NMS Should includes a configuration tool to trigger email or other notifications based on predefined alarm conditions of an event/log/trap.
- Should be able to define policies to rate-limit bandwidth, throttle the rate of new network connections, prioritize based on Layer 2 or Layer 3 QoS mechanisms, apply packet tags, isolate/quarantine a particular port or VLAN, and/or trigger pre-defined actions.
- Should be able to deploy policies network wide with a single click.
- Should provide automated functionality to ensure that appropriate services are available to each user, no matter where they log on.
- Should provide ease of implementation, administration and troubleshooting.
- Should provide an audit trail (event log).
- Should work with existing authentication practices
- Should support 802.1x, Radius and MAC authentication
- Should provide a detailed inventory of products organized by device type.
- Should provide the ability to track device attributes such as serial number, asset tag, firmware version, CPU type, and memory.
- Should support the ability to present detailed configuration information including date and time of configuration saves, firmware version, and file size.
- Should record a history of device attributes, and reports any changes made to the device.
- Should be able to provide a history of firmware and configuration changes made to a device.
- Should provide a centralized history of inventory management operations.
- Should be able to generates valuable, in-depth reports for network inventory planning purposes.
- Should support the ability to download firmware to single or multiple devices simultaneously.
- Should be able to download boot PROM/software images to single or multiple devices simultaneously with option to customized upgrade at specific scheduled time.
- Should be able to schedule routine device configuration back-ups.
- Should be able to download text-based (ASCII format) configuration templates to one or more devices.
- Suitable hardware / appliance may be suggested to install the NMS.



### Network Rack

S.N.	Description
	<b>27U x 600mm x 800mm (HxWxD) Network Rack</b>
	<b>Height = 57", Width = 24", Depth = 32"</b>
1	Front Glass Door - Vented with Locks
2	Rear Ventilated Door - Fully Perforated with Locks
3	Openable Slide Panels - Vented with Locks & Latches
4	Roof mounted fan tray with 2 fans of 90 CFM / 230 V AC
5	Castors (Set of 4) (2 Nos with Brake and 2 Nos without brake - Swivel type)
6	Fixed vented shelves
7	6 way Power Distribution Unit with 5A Type Sockets
8	Cable Manager - 1U
9	Front Panel Mounting Hardware (Pack of 20)



National Bank for Agriculture and Rural Development

**Part I**  
**Schedule 9**  
**Manufacturer's Authorization Form (MAF )**

(To be filled for software application/hardware/system software/RDBMS/any other suits, whatsoever applicable separately)

No. \_\_\_\_\_ dated \_\_\_\_\_

TO

**The Chief General Manager**  
**Department of Information Technology ,**  
**NABARD**  
**5<sup>th</sup> floor, C Wing**  
**Plot No. C-24, G Block**  
**Bandra Kurla Complex**  
**Mumbai - 400 051**

Dear Sir,

We \_\_\_\_\_ who are established and reputed manufacturer \_\_\_\_\_ having organization at \_\_\_\_\_ and \_\_\_\_\_ do hereby authorize M/s \_\_\_\_\_ (Name and address of Agent/Dealer) to offer their quotation, negotiate and conclude the contract with you against the above tender.

We hereby extend our full guarantee and warranty as per terms and conditions of the tender and the contract for Switches/software (any other suits, please mention, if applicable) supply, installation, commissioning, services and support offered against this tender by the above firm.

Yours faithfully,  
(Name)

for and on behalf of

M/s \_\_\_\_\_ (Name of manufacturer)

**Note: This letter of authority should be on the letterhead of the manufacturer(s) and should be signed by a competent person representing the manufacturer.**



**Part I**  
**Schedule 10**  
**Technical specification Compliance Sheet**

**A. Core Switch**

S.N.	Feature and Description	Minimum Requirement	Compliance (Yes/ No)	Reference Page No (Technical offer / Enclosures)
1	Chassis configuration	6 slot or more excluding two dedicated slots for Management / Processor / Fabric.		
2	Backplane	2 Tbps (Passive) and scalable		
3	Wirespeed Switching capacity	960 Gbps		
4	Throughput	700 mpps distributed forwarding performance for IPv4 / IPv6		
5	Switching capacity per I/O Modules	80 Gbps and scalable		
6	Ports	10/100/1000Base-Tx	16 and scalable	
		1000Base-SFP/SFP+	24 and scalable	
		10GBase-XFP/SFP+	4 and scalable	
7	Active VLANs	1000 active vlans using 802.1q and 4000 Vlan ID  Should support port based vlans, guest vlans, Dynamic Vlans allocation		
8	IPv6 support	Should support IPv4/IPv6 Dual stack with IPv4 and IPv6 full support for ACL and QoS		
9	MAC support	Should support minimum 65000 MAC address		
10	L3 routing protocol	Should support to the following routing protocols for both IPv4/IPv6 version of OSPF, VRRP, BGP, ISIS, Policy based routing		
11	Multicast	Should support MLD, IGMP snooping, LLDP, PIM-SM / DM/ SSM		
12	Security	Should support Unicast Reverse Path Forwarding, Port to vlan to MAC binding, IP source Guard, DHCP snooping  Standard and extended ACL's, Time based ACL on all ports  Should support NAC enabled functionality like MAC/802.1x Authentications Should support Policy based routing for NAC web redirections. IP+MAC+VLAN ID, and port binding  Should support CPU DOS protection with separate Data and Control Plane.  Should support MAC and Web-based authentication  Should support per port Multiple User Authentication via IEEE 802.1X, Web portal and/or MAC address simultaneously		



## National Bank for Agriculture and Rural Development

13	Reliability / Redundancy	<p>Should support modular/external redundant power supply</p> <p>OAM (IEEE 802.3ah), Jumbo Frames, UDLD or equivalent, 50 ms fail over technology</p> <p>Router redundancy Protocol namely HSRP or equivalent</p> <p>Multimodule EtherChannel technology or equivalent</p> <p>Link Aggregation technology</p> <p>Rapid Spanning Tree Protocol (RSTP)</p> <p>Multiple Spanning Tree Protocol (MSTP) with 10 plus instances support</p> <p>Rapid convergence Layer 3 protocols</p> <p>shall support hitless or graceful restart of OSPF and IS-IS BGP</p>		
14	Virtualization /equivalent technology support	<p>The Chassis switch Should support virtual distribution architecture allowing for the combination of two physical switches into a single logical network entity from the network control-plane and management perspectives. To the neighbouring devices, the Virtual Switching System appears as a single, logical switch or router.</p> <p>This function should enable multiple interconnected switches to behave as a single management switching entity to configure Layer 2 and Layer 3 features and function</p> <p>Should enable and support link aggregation across different modules/switches in the same virtual domain using IEEE 802.3ad link aggregation protocols or equivalent with the same / third party OEM using the IEEE 802.3ad standards.</p>		
15	Management	<p>Should support secure management via SSH, SSL, SNMPv3, RADIUS and TACACS+. Should provide centralised support for Authentication, Authorization and Accounting management.</p>		

### B. Server Farm Switch

S.N.	Feature and Description	Minimum Requirement	Compliance (Yes/ No)	Reference Page No (Technical offer/ Enclosures)						
1	Switching Capacity	Minimum 240 Gbps switching fabric								
2	Throughput	130 Mpps for IPv4/IPv6 performance								
3	Switch architecture	Stackable, Nonblocking hardware-based switching and routing Architecture								
4	Ports	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">10/100/1000Base-Tx</td> <td style="text-align: center;">48 and scalable</td> </tr> <tr> <td style="text-align: center;">1000Base-SFP/SFP+</td> <td style="text-align: center;">4 and scalable</td> </tr> <tr> <td style="text-align: center;">10GBase-XFP/SFP+</td> <td style="text-align: center;">4 and scalable</td> </tr> </table>	10/100/1000Base-Tx	48 and scalable	1000Base-SFP/SFP+	4 and scalable	10GBase-XFP/SFP+	4 and scalable		
10/100/1000Base-Tx	48 and scalable									
1000Base-SFP/SFP+	4 and scalable									
10GBase-XFP/SFP+	4 and scalable									
5	Active VLANs	1000 active vlans using 802.1q and 4000 Vlan ID								
		Should support port based vlans, guest vlans, voice vlans, Dynamic Vlans allocation								



## National Bank for Agriculture and Rural Development

6	IPv6 support	Should support IPv4./IPv6 Dual stack with IPv4 and IPv6 full support for ACL and QoS		
7	MAC support	Should support minimum 32000 MAC address		
8	L3 routing protocol	Should support following routing protocols for both IPv4/IPv6 version of OSPF, VRRP, policy based routing		
9	Multicast	Should support MLD, IGMP snooping, LLDP		
10	Security	Should support Unicast Reverse Path Forwarding, Port to vlan to MAC binding, IP source Guard, DHCP snooping  Should support MAC and Web-based (PWA) authentication  Should support per port Multiple User Authentication via IEEE 802.1X, Web portal and/or MAC address simultaneously		
11	Reliability / Redundancy	Should support modular/external redundant power supply  OAM (IEEE 802.3ah), Jumbo Frames, UDLD or equivalent, 50 ms fail over technology  Should support Virtual Router Redundancy Protocol (VRRP)		
12	Stacking Function for stackable switches	Stack should offer minimum 2 x 10Gbps stacking interfaces,  Stacking function should enable multiple interconnected switches to behave as a single management switching entity to configure Layer 2 and Layer 3 features and function, together to form Distributed Fabric architecture with chassis like benefits.  Should enable stacking across different switches in the same stack using IEEE 802.3ad link aggregation protocols or equivalent.  In each stack the first and last stacked switch should be populated with 10Gig SR optics for stack link redundancy.		
13	Management	Should support secure management via SSH, SSL, SNMPv3, RADIUS and TACACS+. Should provide centralised support for Authentication, Authorization and Accounting management.		

### C. Access Switch

S.N.	Particulars	Minimum Requirement		Compliance (Yes/ No)	Reference Page No (Technical offer /Enclosures)
1	Manageable	Per port basis			
2	Scalable Stacking	Minimum 6 units			
3	Ports	10/100/1000Base-Tx	48 and scalable		
		1000Base-SFP/SFP+	2 and scalable		



## National Bank for Agriculture and Rural Development

		10GBase-XFP/SFP+	2 and scalable		
4	Active VLANs	1000 active vlans using 802.1q and 4000 Vlan ID			
5	Throughput	100 Mpps for IPv4/IPv6 performance			
6	Switching Capacity	minimum 176 Gbps for wirespeed operations			
7	QoS	Cross stack QoS enabled			
8	Stacking	<p>Closed loop</p> <p>It should offer minimum 2 x 10Gbps ports and stacking interfaces.</p> <p>Stacking function should enable multiple interconnected switches to behave as a single management switching entity to configure Layer 2 and Layer 3 features and function, together to form Distributed Fabric architecture with chassis like benefits.</p> <p>Should enable stacking across different switches in the same stack using IEEE 802.3ad link aggregation protocols or equivalent.</p> <p>In each stack first and last stack switch should be populated with 10Gig SR optics for stack link redundancy.</p>			
9	VLAN	Should support port based vlans, guest vlans, voice vlans, Dynamic Vlans allocation			
10	IPv6 support	Should support IPv4./IPv6 Dual stack with IPv4 and IPv6 full support for ACL and Qos			
11	MAC support	Should support minimum 12000 MAC address			
12	L3 routing protocol	Should support basic IP Routing (static routes and RIP v1/v2) without an add-on license for both IPv4 and IPv6			
13	Multicast	Should support MLD, IGMP snooping, LLDP, PIM-SM/DM/SSM			
14	Security	<p>Should support MAC and Web-based (PWA) authentication</p> <p>Should support per port Multiple User Authentication via IEEE 802.1X, Web portal and/or MAC address simultaneously</p>			
15	Reliability / Redundancy	<p>Should support modular/external redundant power supply</p> <p>OAM (IEEE 802.3ah), Jumbo Frames, UDLD or equivalent, 50 ms failover technology</p>			
16	Management	Should support secure management via SSH, SSL, SNMPv3, RADIUS and TACACS+. Should provide centralised support for Authentication, Authorization and Accounting management.			

### D. Network Management Software (NMS)

S. N.	Description	Compliance (Yes/ No)	Reference Page No (Technical offer /Enclosures)
1	Should provide a system-level management tool with 50 device support and scalable to 5000 with additional license upgrade without the change		



## National Bank for Agriculture and Rural Development

	in the base proposed system		
2	Should allow system-level operations such as device discovery, event management, logging and application maintenance to be performed centrally.		
3	architecture Should be distributed with client-server architecture		
4	Server installation option should include Windows, Linux, etc		
5	Should support IPv6 Devices management		
6	Should provide one click device topology maps.		
7	Should include several purpose-built plug-in applications that are integrated to provide specific, value-add capabilities to the management system.		
8	Unified LAN/WLAN/WAN/Security management system simplifies tools and automates management tasks across the entire infrastructure		
9	Should provide the capabilities to modify, filter, and create your own flexible views of the network.		
10	Should allow for graphing or viewing in table format and multiple Object Identifiers that are user selectable.		
11	Should allow scheduled events or tasks that the user can perform behind the scenes or schedule an event for another time in the future.		
12	Should provide a utility to view and select Management Information Base (MIB) objects from a tree-based representation and include a compiler for new or third-party MIBs.		
13	Should provide a system wide deployment of VLAN configuration and monitoring capabilities.		
14	Should support SNMP v1/v2/v3 &		
15	Should have built-in SNMP, Syslog, BootP & TFTP Server		
16	Should support integration for AAA, NAC, Network Traffic Analysis.		
17	Should be provision to locate endpoint and user search tool that allows the administrator to quickly locate information pertaining to an individual network user or group of users across the wired network		
18	NMS Should have option to optimizes network management and help desk troubleshooting with anywhere, any time access to critical information using popular mobile devices		
19	Should provide comprehensive remote management support for all proposed network devices .		
20	NMS Should support third-party devices management and configuration.		
21	Should support the ability to define policies once and enforced the policies automatically on the proposed security-enabled infrastructure devices.		
22	NMS Should have alarms/events interface reports alarm and event information from managed devices and This information may be archived, exported, filtered, or searched.		
23	NMS Should includes a configuration tool to trigger email or other notifications based on predefined alarm conditions of an event/log/trap.		
24	Should be able to define policies to rate-limit bandwidth, throttle the rate of new network connections, prioritize based on Layer 2 or Layer 3 QoS mechanisms, apply packet tags, isolate/quarantine a particular port or VLAN, and/or trigger pre-defined actions.		
25	Should be able to deploy policies network wide with a single click.		
26	Should provide automated functionality to ensure that appropriate services are available to each user, no matter where they log on.		
27	Should provide ease of implementation, administration and troubleshooting.		
28	Should provide an audit trail (event log).		
29	Should work with existing authentication practices		
30	Should support 802.1x, Radius and MAC authentication		
31	Should provide a detailed inventory of products organized by device type.		
32	Should provide the ability to track device attributes such as serial number, asset tag, firmware version, CPU type, and memory.		
33	Should support the ability to present detailed configuration information including date and time of configuration saves, firmware version, and file		



## National Bank for Agriculture and Rural Development

	size.		
34	Should record a history of device attributes, and reports any changes made to the device.		
35	Should be able to provide a history of firmware and configuration changes made to a device.		
36	Should provide a centralized history of inventory management operations.		
37	Should be able to generate valuable, in-depth reports for network inventory planning purposes.		
38	Should support the ability to download firmware to single or multiple devices simultaneously.		
39	Should be able to download boot PROM/software images to single or multiple devices simultaneously with option to customized upgrade at specific scheduled time.		
40	Should be able to schedule routine device configuration back-ups.		
41	Should be able to download text-based (ASCII format) configuration templates to one or more devices.		

### E. Network Rack

S.N.	Description	Compliance (Yes/No)
	27U x 600mm x 800mm (HxWxD) Network Rack	
	Height = 57", Width = 24", Depth = 32"	
1	Front Glass Door - Vented with Locks	
2	Rear Ventilated Door - Fully Perforated with Locks	
3	Openable Slide Panels - Vented with Locks & Latches	
4	Roof mounted fan tray with 2 fans of 90 CFM / 230 V AC	
5	Castors (Set of 4) (2 Nos with Brake and 2 Nos without brake - Swivel type)	
6	Fixed vented shelves	
7	6 way Power Distribution Unit with 5A Type Sockets	
8	Cable Manager - 1U	
9	Front Panel Mounting Hardware (Pack of 20)	



National Bank for Agriculture and Rural Development

**Part II**  
**NATIONAL BANK FOR AGRICULTURE**  
**AND RURAL DEVELOPMENT**  
**MUMBAI**  
**"Request for Proposal" Document**  
**for**  
**Supply, Installation, Testing and Commissioning**  
**of Switches for Local Area Network (LAN)**  
**at Bank's Head Office Building,**  
**Bandra-Kurla Complex, Mumbai**

**Commercial Proposal**

**Schedule 1**

Sr. No.	Description	Quantity	Unit Price	Total
1	Access Switches - 48 Port Switch with all accessories (including but not limited to connectors, power cables, data cable, software media) as per the specifications indicated in Part I Schedule 8 of the RFP document with one year comprehensive warranty support.	28		
2	Core Switches – 6 slot Chassis based Switch with all accessories (including but not limited to connectors, power cables, data cable, software media) as per the specifications indicated in Part I Schedule 8 of the RFP document with one year comprehensive warranty support.	2		
3	Server Farm Switches - 48 Port 10/100/1000 Switch with all accessories (including but not limited to connectors, power cables, data cable, software media) as per the specifications indicated in Part I Schedule 8 of the RFP document with one year comprehensive warranty support.	2		
4	Network Monitoring Software and its maintenance for 1+ 6 years as indicated in RFP document			
5	Services – rearranging and properly connecting all cables at Access and Core switches and making LAN operational .			
6	Network Rack with all accessories – capable to mount Core Switches - 6 slot Chassis based Switch as per the specifications indicated in Part I Schedule 8 of the RFP document with one year comprehensive warranty support.	2		
7	Passive components, if required. (Not limited to Connectors, Converters, Patch cords, Power cords, etc.)			
8	(Less) Buy back of old switches			
<b>Net Total</b>				



## ANNEXURE A

### **ELECTRONIC REVERSE AUCTION BASED COMMERCIAL BIDDING (E-BIDDING) PROCEDURE**

1. All Vendors/Bidders participating in the e-auction based reverse bidding shall have to understand / accept and furnish an undertaking for compliance of the same in the prescribed format in Annexure A-1. **Any Quotation submitted without such undertaking shall be disqualified and the agency shall not be considered for further participation in the process.** Only those vendors/bidders who submit the prescribed undertaking/s with Part I alone can participate in e-Bidding process.

#### **2. COMPLIANCE/CONFIRMATION FROM Vendors/Bidders:**

The agencies participating in e-Bidding process shall submit the following documents duly signed by the same Competent Authority who signs the offer documents in response to the Request for Proposal :

- a) Acceptance of Procedure for e-Bidding process and undertaking as per format in - Annexure A1.
- b) Letter of authority authorising the *name/s* of official/s to take part in e-Bidding Process as per format in Annexure A2.
- c) Agreement between service provider and Vendor/Bidder is provided as Annexure A3.

Service Provider for e-Bidding process retained by NABARD is :

M/s Synise Technologies Ltd.  
Kalyani Group. 'Omkar', Plot No. A - 8, Shivtirth Nagar,  
Paud Road, Kothrud,  
Pune - 411038.

Contact Details :

1. Mr. Nilesh Deshpande  
Business Head PS  
Email: [nileshd@synise.com](mailto:nileshd@synise.com)  
Phone: 020-30277500/501

2. Mr. Santosh Veer  
Sr. Officer PS  
Email: [santoshv@synise.com](mailto:santoshv@synise.com)  
Phone: 020-30277500/518



### **3. TRAINING:**

a) NABARD shall arrange training for participation in e-Bidding process through the service provider. The service provider shall also enter into an agreement with each Vendor/Bidder as per a format designed by him for this purpose (Annexure A3).

b) Any Vendor/Bidder not participating in training shall do so at his own risk and responsibility and such non-participation shall not be considered a valid reason for seeking any special right / privilege and / or exemption.

c) Each Vendor/Bidder shall participate in the training at his own cost, if any.

### **4. DATE / TIME FOR TRAINING :**

Mode, date , time and venue of training of technically qualified vendors/bidders shall be communicated separately by e-mail/letter. No request for postponement / re-scheduling of Training Date / Time shall be entertained which in the sole view and discretion of NABARD might result in any avoidable delay to either the e-Bidding process or the whole process of selection of Vendor/Bidder or may act or cause to act in the detrimental interest of the bidding process or for NABARD as whole.

### **5. DATE / TIME OF E-BIDDING PROCESS :**

a) The Date and Time of commencement of e-Bidding process to technically qualified vendors/bidders shall be communicated separately.

b) Any force-majeure or other condition leading to postponement of auction shall entitle NABARD to postponement of auction even after communication, and NABARD shall take all possible efforts to communicate to all participating Vendors/Bidders the 'postponement' prior to commencement of such 'e-Bidding process', to the extent it is feasible under the circumstances resulting in such a force-majeure.

### **6. CONDUCT OF E-BIDDING PROCESS :**

The e-Bidding process shall be conducted by NABARD through the service provider as mentioned below :

#### **6.1 AUCTION :**

a) The authorised representative of the Vendor/Bidder named in the authorization letter given as per the format in Annexure A-2 shall be given a unique user name, and the initial password by the service provider.

b) Each Vendor/Bidder shall change the password and edit the information in the registration page after receipt of initial password.

c) All the bids made from the log-in ID given to Vendor/Bidder shall ipso-



## National Bank for Agriculture and Rural Development

facto be considered as the bid made by the Vendor/Bidder to whom log-in ID and password were assigned by the service provider.

d) Any bid once made through registered log-in ID / password by the Vendor/Bidder shall be binding and final and cannot be cancelled.

e) Every successive bid by the Vendor/Bidder being decremented, shall replace the earlier bid automatically and the final bid as per the time and log-in ID shall prevail over the earlier bids.

f) NABARD shall conduct the e-Bidding process as per the Standard English reverse auction, that is, no two bids can have identical price from two different Vendors/Bidders. In other words, there shall never be a "Tie" in bids.

### **6.2 TRANSPARENCY IN BIDS :**

All Vendors/Bidders will be able to view during the e-bidding time the current lowest price in the web - portal. Vendor/Bidder shall be able to view not only the lowest bid but also the last bid made by him at any point of time during the auction time.

### **6.3 MASKING OF NAMES :**

Names of Vendors/Bidders shall be anonymously masked in the e-Bidding process and Vendors/Bidders will be given suitable dummy names by the Service Provider.

### **6.4 START PRICE :**

First offer submitted by the first Vendor/Bidder would be the floor price.

### **6.5 DECREMENTAL BID VALUE**

a) The Vendors/Bidders shall be able to bid only at a specified decrement value of Rs 1,000/- and not at any other fractions.

b) The bid decrement value shall be rounded off to the nearest thousands of Rupees.

c) For the sake of convenience of Vendors/Bidders, the web portal shall display the next possible decremental value of bid. It is not, however, obligatory on the part of Vendors/Bidders to bid at the next immediate lower level only. (That is, bids can be even at 2 or 3 lower levels than the immediate lower level.)

### **6.6 e-BIDDING PROCESS :**

a) In order to reduce the time involved in the procurement process, NABARD shall be entitled to complete the entire procurement process through a single e-Bidding process. For this purpose, NABARD shall do all it



## National Bank for Agriculture and Rural Development

can, to award the contract to L1 Vendor/Bidder or in the circumstances where awarding of contract may have to be done to the L2, L3 Vendor/Bidder as provided for in the Quotation.

b) NABARD shall however, be entitled to cancel the procurement of e-Bidding process, if in its view procurement or e-Bidding process cannot be conducted in a fair manner and / or in the interest of NABARD.

c) The successful Vendor/Bidder shall be obliged to provide a Bill of Quantities in hard copy duly signed and stamped / Bill of Material at the last bid price at the close of auction.

### **7. DON'Ts APPLICABLE TO THE VENDORS/BIDDERS :**

a) No Vendor/Bidder shall involve himself or any of his representative in any price manipulation directly or indirectly with other Vendors/Bidders. If any such practice comes to the notice, NABARD shall disqualify the Vendor/Bidder concerned from the e - Bidding process and may initiate any further disciplinary/ penal action as deemed fit.

b) The Vendors/Bidders / shall not disclose details of his bids or any other details concerning e-Bidding process of NABARD to any other third party without specific permission in writing from NABARD.

c) Neither NABARD nor the service provider shall be held responsible for any faults in facilities such as power supply, system problem, inability to use the system, loss of electronic information, power interruptions, UPS failure, etc. which may affect the bidding process of any Vendor/Bidder

### **8. GRIEVANCES REDRESSAL :**

a) Any aggrieved Vendor/Bidder through e-Bidding process can make complaint in writing **within 2 hours of the e-Bidding process** to the CGM, DIT, NABARD, Mumbai by Fax (022- 26530087) or by email ( dit@nabard.org)

### **9. ERRORS AND OMISSIONS :**

a) On any issue or area of material concern respecting e-Bidding process not specifically dealt with in this procedure, the decision of NABARD shall be **final and binding on all concerned.**



**ANNEXURE A1**

**COMPLIANCE STATEMENT FOR e-Bidding process**

(To be submitted by all the Vendors/Bidders participating in Reverse Auction)

To,

The Chief General Manager  
National Bank for Agriculture and Rural Development  
Department of Information Technology, Fifth floor, C Wing  
C-24, 'G' Block, Bandra-kurla Complex, P.B. No. 8121,  
Bandra (East), Mumbai - 400 051.

**DECLARATION**

1. We -----(name of the company) hereby confirm having submitted our quotation for participating in the Quotation process for supply, installation, testing, commissioning and maintenance of switches for Local Area Network (LAN) at NABARD's Head Office Building at Bandra-Kurla Complex, Mumbai.
2. We confirm having read and understood the terms and conditions of the Quotation for for supply, installation, testing, commissioning and maintenance of switches for Local Area Network (LAN) at NABARD's Head Office Building at Bandra-Kurla Complex, Mumbai as well as the Procedures relating to the e-Bidding process.
3. We hereby undertake and agree to abide by all the terms and conditions stipulated by the NABARD in the RFP for for supply, installation, testing, commissioning and maintenance of switches for Local Area Network (LAN) at NABARD's Head Office Building at Bandra-Kurla Complex, Mumbai including all Schedules, annexes and the Procedure for e-Bidding process.
4. We shall participate in the on-line auction conducted by M/s Synise Technologies Ltd, Pune (auction service provider retained by NABARD) and submit our commercial bid. In doing so, we shall abide by the procedures prescribed for online auction by the auction company.
5. We, hereby confirm that we shall honour the Bids placed by us during the e-Bidding process, failing which NABARD shall forfeit the EMD and shall be liable for any other consequential action that may be taken by NABARD including any debarment from participation in future procurement by NABARD.
6. We confirm having nominated our representative (Shri / Smt / Ms-----), designated as -----of our company 'to participate in the e-



## National Bank for Agriculture and Rural Development

Reverse Auction on behalf of the company. We undertake that the company shall be bound by the actions made by him during the e- Bidding process and thereafter.

7. We undertake to submit the confirmation of last bid price by us to the auction company / Bank within 24 working hours of the completion of event and any other specific requirement indicated in the Quotation for for supply, installation, testing, commissioning and maintenance of switches for Local Area Network (LAN) at NABARD's Head Office Building at Bandra-Kurla Complex, Mumbai .

Signature with company seal

Name :

Company / Organization :

Designation within Company / Organization :

Address of Company / Organization :

Date :

Name of Authorised Representative :

Signature of Authorised Representative :



National Bank for Agriculture and Rural Development

**ANNEXURE A2**

Letter of Authority for participation in e-Bidding process

To,

The Chief General Manager  
National Bank for Agriculture and Rural Development  
Department of Information Technology, Fifth floor, C Wing  
C-24, 'G' Block, Bandra-kurla Complex, P.B. No. 8121,  
Bandra (East), Mumbai - 400 051.

1. We -----(name of the company) have submitted our bid for participating in the competitive Quotation for for supply, installation, testing, commissioning and maintenance of switches for Local Area Network (LAN) at NABARD's Head Office Building at Bandra-Kurla Complex, Mumbai.
2. We confirm having read and understood the terms & Conditions & details of the Quotation as well as the Procedure relating to the e-Bidding process for this Quotation process.
3. As per the terms of Quotation and Business rules, we nominate Mr.-----, designated as -----of our company to participate in the e-Bidding process, who shall be the sole and single point of contact for any and all matters relating to the Reverse Auction
4. We accordingly authorize NABARD and / or the auction company (Service Provider) to issue user ID and password to the above named official of the company.

Signature with company seal

Name :  
Company / Organization :  
Designation within Company / Organization :  
Address of Company / Organization :  
Date :

Name of Authorised Representative :  
Designation of Authorised Representative :  
Signature of Authorised Representative :



### **ANNEXURE A3**

#### **FORMAT OF AGREEMENT BETWEEN THE SERVICE PROVIDER AND THE VENDOR/BIDDER**

##### **Vendor/Bidder Agreement**

In consideration of the opportunity to participate in e-Bidding process,"  
\_\_\_\_\_ ("Vendor/Bidder") agrees to the following terms and conditions:

**1. Request for Quotation :** Vendor/Bidder acknowledges that it has received, read and understood the Request for Proposal ("RFP") with respect to the supply, installation, testing, commissioning and maintenance of switches for Local Area Network (LAN) at NABARD's Head Office Building at Bandra-Kurla Complex, Mumbai in connection with e-Bidding auction being **conducted by Synise Technologies Ltd., Pune for NABARD** on its platform [www.indiaengineering.com](http://www.indiaengineering.com).

- A. **Synise Technologies Ltd. an Independent Contractor.** Synise Technologies Ltd. is an independent contractor with respect to Client, Vendor/Bidder and any other Vendor/Bidder in the AUCTION.
- B. **Limited Liability:** Vendor/Bidder hereby releases Synise Technologies Ltd. from any liability with respect to the e-Bidding process, including any conduct of Synise Technologies Ltd. or any Vendor/Bidder in the e-Bidding process, regardless of whether such liability arises under contract, tort or any other theory.
- C. **Confidentiality:** Vendor/Bidder shall keep all user names and passwords, the RFP, other confidential materials provided by Synise Technologies Ltd. and/or Client, and all bids provided by itself or another Vendor/Bidder in confidence and shall not disclose the foregoing to any third party. Vendor/Bidder shall also keep all software, manuals and documentation provided by Synise Technologies Ltd. in confidence and if requested shall return the same to Synise Technologies Ltd. at the conclusion of the e-Bidding process.
- D. **General:** This Agreement is governed by the laws of India without giving effect to principles of conflicts of law. This Agreement and the license agreement contained with the software provided to Vendor/Bidder ("License Agreement") constitute the entire agreement between Vendor/Bidder and Synise Technologies Ltd. Any waiver, modification or amendment of any provision of this Agreement or the License Agreement will be effective only if in



- writing and signed by Synise Technologies Ltd. and Vendor/Bidder.
- E. **Procedures and Rules:** Vendor/Bidder further agrees to be bound by the following obligations and/or procedures applicable to Vendor/Bidder.

## **2. VENDOR/BIDDER OBLIGATIONS AND/OR PROCEDURES REGARDING PARTICIPATION IN THE AUCTION**

2.1 Vendor/Bidder agrees that participation in the AUCTION is further contingent upon its acceptance of the terms and conditions of the License Agreement.

2.2 Bids, which Vendor/Bidder submits through Synise Technologies Ltd., are legally valid quotations without qualification, except for data entry errors.

2.3 Vendor/Bidder agrees to submit bids only through the online bidding mechanism supplied by Synise Technologies Ltd. and not to submit bids via any other mechanism including, but not limited to, post, courier, fax, E-mail, or orally unless specifically requested by Client or Synise Technologies Ltd.

In addition to any other remedies available to Synise Technologies Ltd., Synise Technologies Ltd. may exclude Vendor/Bidder from participating in future AUCTIONS, with NABARD or with future Client's, due to Vendor/Bidder's breach of any of the obligations and/or procedures contained in this Vendor/Bidder Agreement or the License Agreement.

2.4 All parties will prohibit unethical behavior and are expected to notify Synise Technologies Ltd. if they witness practices that are counter-productive to the fair operation of the AUCTION.

2.5 Any party experiencing difficulties during an AUCTION must notify Synise Technologies Ltd. immediately. "Difficulties" include any event or problem, which interferes with the party's ability to participate in the AUCTION, and may include, but is not limited to data entry errors, software problems, or hardware problems.



**3. 'SYNISE TECHNOLOGIES LTD.' RIGHTS**

3.1 Synise Technologies Ltd. shall not hold title to, handle the physical distribution of, nor be held liable for failures of any components, materials, services or Vendors/Bidders.

3.2 Synise Technologies Ltd. has final responsibility for all decisions regarding the operation of the AUCTION. Synise Technologies Ltd. may suspend or cancel the AUCTION at any time and without prior notification.

3.3 This Vendor/Bidder Agreement only pertains to the AUCTION set forth in Section- A above.

3.4 The terms and conditions set forth in this Vendor/Bidder Agreement survive the conclusion and/or completion of the AUCTION.

Synise Technologies Ltd.:

Vendor/Bidder:

By: \_\_\_\_\_

By: \_\_\_\_\_

End of Document

---

---