



मध्यप्रदेश क्षेत्रीय कार्यालय, भोपाल
ई-5, अरेरा कॉलोनी
रविशंकर नगर पो.ऑ. पो.बॉ. सं 513
भोपाल - 462 016
दूरभाष : 2464775, 2466695
(मुख्य महाप्रबंधक)
टेली. सं. 2463341, 2463369
फैक्स सं. (0755) 2466188

MADHYA PRADESHRO, BHOPAL
E-5, ARERA COLONY
RAVISHANKARNAGAR P.O.
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NATIONAL BANK FOR AGRICULTURE AND RURALDEVELOPMENT

No. NB.MPRO.Bho/
Date : 1.12.2009

/Security/Premises-P&S/2009-10

M/s.

(TO THE 11 FIRMS TO WHOM NIT HAVE BEEN ISSUED)

Dear Sirs

Invitation to bid for the supply, installation, commissioning and maintenance of Access Control System at NABARD Regional Office at E-5, Arera Colony, Bittan Market, Ravishankar Nagar PO, Bhopal-462016

1. On behalf of National Bank for Agriculture and Rural Development (NABARD), we have the pleasure of inviting you to tender for the aforesaid work.
2. Tender Documents will be issued from **1.12.09 to 15.12.09** during office hours except Saturdays, Sundays and holidays at our Regional Office at E-5, Arera Colony, Bittan Market, Ravishankar Nagar P.O., Bhopal-462 016. The tender document can also be downloaded from the NABARD website .
3. Each tenderer will be issued with one copy of Part -I comprising the Notice inviting tenders, General conditions/Instructions to the tenderers, Scope of work, General and specific conditions of the contract, technical specifications, special terms and conditions and the format of the agreement and one copy of Part -II comprising the Bill of Quantities and the Specifications to be indicated by the tenderer.
4. Sealed Tenders in the prescribed tender form in **two separate envelopes** should be submitted to the Chief General Manager, National Bank for Agriculture and Rural Development (NABARD), MP Regional Office, E-5, Arera Colony, Bittan Market, Ravishankar Nagar PO, Bhopal-462016.
5. **Envelope No. 1 shall contain** Part -I and the Earnest Money deposit while the **envelope No. 2 shall contain** the Bill of Quantities duly priced and the specifications completed in all respects. This shall not include any conditions whatsoever. In case any conditions are included in Envelope No. 2 , the same shall not be taken into consideration and the tender in such case is liable to be rejected.

6. Both the envelopes shall be submitted to the above Office not later than **1500 hrs on 22.12.2009**. Envelope No.1 will; be opened at 1600 hrs on the same day in the presence of the tenderers or their authorised representatives who choose to be present.
7. After opening of the Envelope No.1 and assessing the conditions stipulated by bidders, if any, the Bank will, if it so decides, may inform all the tenderers about any modifications in the tender conditons. Bidders who agree to the changed conditions along with the original in TOTO will be allowed to make modifications if they so wish in their tender prices by means of a letter to be submitted in sealed cover , which , along with their price bid will form the final price bid. A tender will be rejected if any tenderer proposes any deviation from the above.
8. The Envelope No.2 shall be opened only in respect of those tenderers who after discussion bring their tenders in line with the requirements of tender document and are acceptable to the Bank. The decision of the Bank in this regard shall be binding on the tenderers and not open to question or appeals. The date and time of opening of Envelope No.2 shall be intimated after opening of envelope No.1.
9. Tenders received late on account of any reason whatsoever and telephonic and faxed tenders shall not be entertained.
10. The Earnest Money Deposit of Rs 14,000/- (Rupees fourteen thousand only) by Demand Draft drawn on any scheduled bank in favour of NABARD payable at Bhopal shall be submitted along with Part-I of the tender.
11. The completion of the said work shall be 45 days from the issue of the work order.
12. Liquidated damages for delay shall be 0.25% of the accepted tender amount per week of delay for each week beyond the scheduled date of completion or approved extended period of completion. The maximum amount of liquidated damages shall be 5% of the accepted tender amount.
13. The Defect Liability period shall be 12 months from the date of handing over the system to the Bank.
14. Validity of the tender shall be 60 days from the opening of Envelope No.2
15. **A pre-bid meeting** shall be held **on 15.12.2009 at 1430** hrs in the conference hall of NABARD Regional office at the address indicated above. The bidders are requested to attend the meeting and obtain clarifications, if any, required by them. No further requests for clarifications shall be entertained.

(A. G. Nafade)
Asstt. General Manager

FORM OF TENDER (Declaration by the Contractor)

The Chief General Manager

National Bank for Agriculture and Rural Development,
MP Regional Office,
E-5, Arera Colony
Ravishankar Nagar PO,
Bhopal-462016.

Dear Sir

Supply, Installation, Testing, Commissioning and Maintenance of Access Control System at Regional Office of NABARD at Bhopal

Having examined the Scope of work, general conditions/ instructions to the Contractors, Special terms and conditions, Technical specification and Bill of quantities relating to the works specified in the memorandum hereinafter set out and having visited the site of works specified in the said memorandum and having acquired the requisite information relating thereto as affecting the quotation/tender, I/We hereby offer to execute the work specified in the memorandum in accordance with the rates mentioned in the attached schedule in all respects with the specification and instructions in writing and with such materials as are provided for in all other respects in accordance with such conditions so far as they may be applicable.

MEMORANDUM

Description of work	:	<u>supply, installation, commissioning and maintenance of Access Control System at NABARD Regional Office at Bittan Market, Bhopal-462016</u>
Contract period	:	45 days (from the date of work order)
Validity of offer	:	60 days from the date of opening of the tender
EMD	:	Rs. 14000/- (Rupees Fourteen thousand only) in the form of DD, drawn in favour of “National Bank for Agriculture and Rural Development, Bhopal” or “NABARD, Bhopal”.

2. Should this tender be accepted, I/We hereby agree to abide by and fulfill the terms and provisions of the said conditions of the Contract annexed thereto so far as they may be applicable. Should I/we fail to execute the contract when called upon to do so, I/we hereby agree that the EMD shall be forfeited by me/us to National Bank for Agriculture and Rural Development.

3. Our Bankers are :-

(1) _

(2) _

4. Address of the firm

Tel. No : _____

Fax : _____

Mobile No. : _____

5. The names of the Partners of our firm are

i) _____

ii) _____

iii) _____

6. Name of the partner of the firm authorized to sign

i) _____

ii) _____

Name of the persons with power of Attorney to sign the contract

i) _____

ii) _____

7. Sales Tax & PAN No. _____

Also state whether the EMD draft has been enclosed or not.

YES / NO

If yes, DD's Number _____ Amount _____ In favour of _____
Dated _____ drawn on _____ Bank.

DECLARATION BY THE CONTRACTORS

I have read and understood all the instructions/conditions in the tender document and I have taken into account the above instructions/conditions while quoting the rates. The grand total of the amount for the captioned work in figures is Rs----- and in words is Rupees

Date:

Signature

Name & Address

Place:

Seal of the contractor

AGREEMENT

This Agreement is entered into this day of _____ 2009 between the National Bank for Agriculture and Rural Development (NABARD) having its Regional Office at E-5, Arera Colony, Ravishankar Nagar PO, Bhopal-462016, hereinafter referred to as "The Bank" and M/s _____ hereinafter call the "The Party".

Whereas the Party has been awarded the Contract for the Supply, Installation, Testing , Commission and Maintenance of the Access Control System at the Regional Office of the Bank, consequent upon the Bank accepting its Tender and the Party accepting the Terms and Conditions, Special Terms and Conditions and Memorandum and related items.

NOW, THIS AGREEMENT WITNESS THAT IT IS MUTUALLY AGREED BY AND BETWEEN THE PARTIES:-

- 1.The Party will Supply, Install, Test, Commission and Maintain the Access Control System for 5 years from the date of completion of the warranty period at the Bank's Regional Office for consideration of Rs. _____ (in words). The payments will be made as per the terms indicated in the general conditions/ instructions to the contractors. The party will deposit an EMD amounting to 10% of the yearly amount quoted for the Annual Maintenance Contract. The EMD will be payable by Demand Draft/Pay order drawn in favour of NABARD, Bhopal.
- 2.The Party agrees to replace/repair any defects in this system during the warranty period free of cost. The Party will place at the disposal of the Bank, sufficient number of technicians during the first six months to ensure proper working of the system and attend to any teething problems. The Party will carry out necessary repairs/replacement to keep the system in working condition after the warranty period on chargeable basis. The Party will charge for spare parts only as per the rate list supplied by them and agreed to by the Bank .No labour charges will be paid for any such repairs/replacement. The rates indicated should include all Taxes and Income Tax will be deducted from the bills submitted for spare parts replaced.
- 3.Any complaints will be attended to promptly by the Party and on no account will there be any delay in repair/replacements to ensure the smooth working of the system.
- 4.The Party will ensure availability of fast moving spares required for the system to ensure speedy repairs.
5. Notwithstanding what has been hitherto stated, any other matters not covered in this Agreement will be settled on mutual discussions and subject to mutual agreement. The reference to the Chief General Manager in this agreement and the schedules hereto annexed shall mean the Chief General Manager holding, charge of Regional Office, Bhopal and shall include, in respect of any powers exercisable by him or NABARD under this agreement and any other officers of the Bank designated by him in that behalf from time to time.
- 6.The Party will abide with all the Terms and Conditions specified in the General Conditions /instructions to the contractors.
- 7.All hardware and software used will be as per the details indicated by the Party in Part

II of the Tender documents.

8.All the documents pertaining to the Tender will be construed as part and parcel of this agreement.

9.This agreement shall be executed in duplicate. The Bank shall retain the original and Party the duplicate. Stamp duty on original and duplicate shall be borne by the Party.

IN WITNESS WHEREOF the Bank has set its hands to these presents and a duplicate hereof through its authorised official and the Party has set his hands to these presents and the duplicate on the day/month and year first hereinabove written.

Signed and delivered by the within named National Bank for Agriculture and Rural Development by the hand of its authorised official

(Name and Designation)

in the presence of

(i) _____

(ii) _____

Signed and Delivered by Shri

In the presence of

(i) _____

ii) _____

Place : _____ **Date :** _____

**Tender Documents : Supply, Installation, testing, Commissioning
and Maintenance of Access Control System**
General Conditions/Instructions to the Contractors.

1. Sealed Tenders, should be addressed to The Chief General Manager, National Bank for Agriculture and Rural Development (NABARD), MP Regional Office, E-5, Arera Colony, Ravishankar Nagar PO, Bhopal-462016 and super scribed "Tender for the Supply, Installation, Testing, Commissioning and Maintenance of Access Control System" at Bhopal for the "National Bank for Agriculture and Rural Development" and send so as to reach him not later than 22.12.2009.
2. No tender will be received after 3.00 p.m. On 22.12.2009 under any circumstances whatsoever.
3. Tenders (Envelope-I) will be opened at 4.00 p.m. On 22.12.2009.
4. Tender shall remain open for acceptance by the Bank for a period of Two Months from the date of opening the tender which may be extended by mutual agreement and the tenderers shall not cancel or withdraw the tender during this period/extended period.
5. The tender forms should be filled in English and all entries must be made by hand and written in ink.
6. Rate should be quoted both in figures and words in the columns specified.
7. All erasures and alterations made while filling the tender must be attested by initials of the tenderers. Over writing of figures is not permitted, failure to comply with either of these conditions will render the tender void at the Bank's option. No advice of any change in rate or conditions after opening of the tender will be entertained. Each of the tender documents should be signed by the person or persons submitting the tender in token of his/their having acquainted himself/themeselves with the General Conditions of the Contract, Scope of work, Specifications, Special Conditions, etc., as laid down. Any tender with any documents not so signed is liable to be rejected. The tenders submitted on behalf of the Firm shall be signed by all the partners of the Firm or by a partner who has the necessary authority on behalf of the firm to enter into the proposed contract Similarly in case of a company, only the person authorised by the articles of the company can sign. Otherwise the tender is liable to be rejected by the Bank.
8. The National Bank for Agriculture and Rural Development does not bind itself to accept the lowest or any tender and reserves to itself the right to accept or reject any or all the tenders, without assigning any reasons for doing so.
9. Contractors are advised to visit the site of installation of the Access Control System and understand the nature & scope of the work and doubts of any nature should be got clarified before quoting.
10. Rate should include charges for removal of debris out of premises, removing stains, cleaning the site thoroughly and restoring it to original condition where work is undertaken.
11. Quoted rate should be workable and should include all overheads and profits.
12. Rate should include all taxes, duties, octroi, levies, Payment of wages as per Act , VAT etc.. and should be firm for the entire contract period. No variation of rates will be allowed.
13. All components of the Access Control System supplied should conform to the

stipulations as in the relevant I.S. codes (Latest Edition) BIS specification shall be followed as applicable. However, in the absence of the same the decision of NABARD will be final. The readers and controllers will be UL certified and copy of the certification must be attached with the tender documents.

14. The tender is being called as an item rate tender to be quoted against the Bill of Quantity. However, all other materials as may be necessary for the satisfactory work completion are to be provided at no additional cost as deemed to have been covered under the scope of work/contract. All civil, electrical, carpentry work will be done by the contractor and this cost also to be included in the amount quoted.
15. Maximum 50 % of amount may be settled on delivery of items and the balance amount less the retention money and the amount quoted for AMC will be settled on commissioning of this system. No advance payment will be made by the Bank.
16. Any discrepancy in settlement of bills may be brought to the notice of the Bank within a period of one month after the settlement of the Bills. The Bank will not entertain any claim regarding any dispute in settlement of the bills after the stipulated period.
17. Income Tax, Surcharge, Service Tax, VAT and other taxes as applicable will be deducted from total payment due to the contractors.
18. The contractor should have valid electrical contractors license relating to his contract. The contractor must submit a certificate from the manufacturers that the contractor is an authorized dealer for the sales and service of the products used in the Access Control System.
19. The Contractor shall observe all the safety precautions for the safety of the labour and the employees of the Bank during execution of works. The contractor should arrange to obtain necessary insurance cover for its employees. He would be responsible for the safety of persons, employed by him.
20. The contractor shall be responsible for injury to persons or things and for damages to the property which may arise from omission or neglect of the contractor or their employees, whether such injury or damages arises from carelessness, accident or any other cause whatsoever, in anyway connected with carrying out of the work.
21. All the conditions of the contract shall be binding on the Contractor.
22. The Contractor shall comply with all the applicable Acts, Rules, Regulations, requirement of Law (s) for entering into contract and the Bank will not in any way be liable or responsible for any default/ irregularities/penalties on the contractors part.
23. The contractor shall comply with the provisions of Contract, Labour Regulation & Abolition Act, 1970, Minimum Wages Act and all other labour laws and other Statutory Regulations (both Central and States) that may be enforced from time to time by the appropriate authorities. The Bank shall not be held responsible for any penalty on account of failure to adhere to the above labour regulations, etc. The contractor should be responsible to fulfill all the obligations in connection with the workers employed by the contractor for the purpose of the contract and all the Statutory and other liabilities if any including minimum wages, leave salary, uniform, ex-gratia, gratuity, ESI, Provident Fund, Workman Compensation, if any, etc.. in connection therewith shall be on the contractor account and payable by the concerned contractor.

24. The contractor should obtain necessary permission that may be required for the purpose of this contract from such authorities as may be prescribed by law from time to time.
25. The contractor shall be fully responsible and shall compensate the Bank in the event of any damage to men or material, injury/damage or death as the case may be, caused directly or indirectly due to the negligence of the contractor or his agents and / or his employees or workmen. The decision of the Bank in this regard shall be final and binding.
26. The contractor should not employ any person who is prohibited by law from being employed for fulfilling obligations under this contract.
27. Any act of indiscipline / misconduct/ theft/ pilferage on the part of any employee engaged by the contractor resulting in any loss to the bank in kind or cash will be viewed seriously and the Bank will have the right to levy damages or fine and / or even terminate the contract forthwith.
28. In case of any default or failure on your part to comply with all/ any one of the terms/ conditions, the bank reserves to itself the right to take necessary steps to remedy the situation including, inter-alia, the deduction of appropriate amount/ s from dues otherwise payable to you and/or by taking recourse to appropriate recovery proceedings.
29. If any dispute arises on any matter concerning this contract, the same shall be settled through mutual discussion. However if the dispute still remains unresolved, the same will be decided by the sole arbitrator appointed by the Bank, and this decision shall be final and binding.
30. The contractor should not at any time do, cause or permit any nuisance on the site/do anything which shall cause unnecessary disturbances or inconvenience to the occupants/visitors at site or near the site of work.
31. On site, lockable storage space will be given as per availability, the security of which will be the responsibility of the contractor's. The Bank will not be responsible for contractor's materials. The contractor may be required to vacate the storage space as per exigency without any extra cost.
32. The contractor shall not directly or indirectly transfer, assign or sublet the contract or any part of it.
33. The payment against the bill will be made in due course after satisfactory completion of the work
34. The intending tenderers shall pay an Earnest money Deposit of Rs 14000/-by a Demand Draft drawn on a Sheduled Bank which amount will be credited into the office of National Bank for Agriculture and Rural Development. The Earnest Money Deposit will be returned to the tenderer if his tender is not accepted, but without any interest.
35. The Earnest Money Deposit of Rs 14000/- paid by the successful tenderers shall be held by the National Bank For Agriculture and Rural Development as partial deposit for the execution and fulfillment of the contract. No interest shall be paid on the said deposit.
36. The Earnest Money Deposit of the successful tenderer will be adjusted against the retention money kept by the Bank.
37. **10% of the quoted amount will be kept as retention money** and will be returned to

the Party at the end of the warranty period. The warranty period will be a minimum of one year from the date of handing over the system to the Bank.

38. The Access Control System after successful commissioning and testing will be duly handed over to the Bank after which the work completion certificate will be issued.
39. The Bank reserves the right to check the progress of the work and adherence to the technical specifications etc. any time during the installation phase.
40. The Party will obtain all necessary statutory approvals from the designated/approved authorities as may be required for the completion of the work.
41. The agreement may be terminated by the Bank in case the Party does not adhere to the terms of contract..

SPECIAL TERMS AND CONDITIONS

- 1) In the terms and conditions set in here before the term "The Bank" refers to the National Bank for Agriculture and Rural Development (NABARD), The Chief General Manager refers to Chief General Manager Incharge of the MP regional Office.
- 2) "The Party" refers to the Party who has been awarded the contract for the Supply, Installation, Commissioning and Maintenance of the Access Control System at the MP regional Office of NABARD, Bhopal..
- 3) All payments by the Bank under this contract will be made only at Bhopal.
- 4) All disputes arising out of or in any way connected with this Agreement shall be deemed to have arisen at Bhopal and Courts in Bhopal only shall have jurisdiction to determine the same.
- 5) That the several parts of this Contract have been read by the Party and fully understood by him/them.

Scope of Work

To install the Access Control System (ACS) at our Regional Office at E-5, Arera Colony, Bittan Market, Ravishankar Nagar PO, Bhopal-462 016.. The ACS will provide for controlled access to the Bank's premises using proximity card readers, Tripod Turnstile and related software. This system will also use Time Attendance software and will be linked with the printers and servers. The printers and servers will be placed in the place as decided by the Bank. The work will entail providing necessary hardware, software, signal and power cabling, providing PC and printer and all allied civil, electrical and carpentry work. The access will be controlled by providing Tripod Turnstiles at the entrance to the Lift at the Ground Floor, near the staircase.

Annual Maintenance Contract for five years after the defect liability period will also be provided by the Party.

The exact location and other details can be ascertained by visiting the site. Other details are given in the Bill of Quantities.

Signed:

Place :
Date :

TECHNICAL SPECIFICATIONS

Technical specifications of the Tripod Turnstile

Make:	Sivanand
Power Supply:	230V AC Mains Single phase@50 Hz;
Back Up Battery:	12V DC, 7 AH ,Rechargeable , Maint Free.
Power Consumption:	12 V DC,375 mA max.
Dimension of case work:	985 X 230 X 1069 mm approx.
Walk way:	380/500+ 50 mm
Material of case work:	Stainless Steel
Duty cycle	100% Continuous
Holding Force:	200 Kg
Material of Tripod arm:	Stainless Steel (Hot Galvanised),
Opening time:	From 2 to 10 seconds,
Outputs	LED red when locked & green when open, Lock status Sensor (NO/NC)
Internal components:	Rust free alloy of high strength,
Protection level:	IP 54,
Integration:	Two PFC required (Entry and Exit),
Locking mechanism:	Solenoid
Intelligence	Real Time
Safety/Emergency	Motorised type mechanism with Drop arm facility

Technical Specifications for Door Controller ---CE and UL approved

Shall be Web based & have internal memory with inbuilt TCP/IP and Client – Server type configuration.

Power Supply	230V AC Mains Single phase@50 Hz
Back Up Battery	12V DC, 7 AH ,Rechargeable , Maint Free
No. of door relays	1
Card reader interface	2(1 Each for Entry and Exit)
Card capacity	2000 or greater
Event buffer memory	10000 events per door or greater
PIN 4 digit -	Unique for each card
Holiday Scheduler	30 or more holidays per year
Inputs and outputs	Door release switch input
Door position	Sensor input
Programmable inputs:	8 or more;
Programmable outputs:	2 or more
Input type	2(Trigger, Log)
Output Type	3 (Momentary, continuous, Timed)
Input supervision	Normal
Day Scheduler:	8(1 for each day of the week and 1 for holidays)
Timers	64 (each with 8 or more transitions)
Time Zones	64 (each with 2 ON periods & 2 OFF periods)
Security levels	3
Card Validity	Definable by date and time
Trigger	50 or more user definable sequences

Card Types	05	Normal user Super user Visitor Contractor Maintenance
Card Attributes	04	Valid/Void Trace Custodian Escort
Door Attributes	07	Card only Lock (Excluding super user) Timed anti-pass back Logical anti-pass back Custodian request Escort request Maintenance mode

Technical Specifications for Proximity Card reader

Environment Shall be suitable for Outdoor/Indoor applications with fully potted electronics Read Range of 6.25 cm and with Audio indication Beep on valid card read. Visual indication of Red LED- to indicate power ON, shall turn Green on Valid card read.

Technical Specifications for Server and Client Terminal

Minimum Configuration for Server & Client PCs

<i>Processor :</i>	Intel Core 2 Duo
<i>Clock Speed :</i>	2.8 GHz or above
<i>RAM :</i>	2GB
<i>Hard Disk :</i>	320 GB or greater
<i>Optical Drive :</i>	DVD-R/W
<i>Key board :</i>	Standard 101 keys
<i>Mouse :</i>	2 button scrolling optical mouse
<i>LCD Monitor :</i>	17" TFT
<i>Network :</i>	10/100/1000 MBPS Ethernet card
<i>Software :</i>	Windows XP with SP2 or Vista Business / 2000 Professional/ Server Database (Any database as supported by the application)
Printer	A 4 Laser Printer
Resolution	1200/1200 Dpi
Print speed	21 pages per minute
Memory	32 MB

Duty Cycle	10000 Pages Per Month
Duplex Printing	Automatic two sided printing
Connectivity	USB/ Parallel
Input tray	250 sheets

In addition to the above hardware and software, you will supply any other hardware/software which are needed for running the application. Application Software

Front end	GUI based user friendly interface based on client server technology for Windows NT environment.
Back end	ODBC compliant database
Architecture	3 tier (User, Business and Data Services) to ensure scalability
Operators	unlimited .
Access levels	8 + 1 Administrator, password controlled
Access profiles:	user definable
Configuration	Full set up & programming of all door controller functions
Card Database	to contain Photo image or a link to the image of card holder along with other relevant data
Card database	100000
Card profiles	unlimited with respect to single card or batch of cards, shall define valid doors, 3 x time zones per card (week day, off day and holiday)
Archival:	Daily automatic archival based on defined time. All archived data to be held in monthly folders.
Reports	User definable access reports with respect to time, date, door and card. Daily attendance reports based on 1st IN and last OUT. Reports should also include archived data.
Door Control	Each door individually or all door simultaneously may be locked /unlocked or normalized from the PC
Roll call	The software shall be able to provide the no. of list of card holders in the premises. It shall also be capable locating an user based on the last transaction.

Note : Technical features for future enhancements of the System, including incorporating the Access Control System in the various Departments in the regional Office,visitors,management system.

Technical Specifications for Proximity card

Technology - Contact less smart card 13.56 Mhz corresponding to ISO Standard 1433 A
Dimensions - CR 80 -- vertical -- standard size Lanyard with printed logo/name/card case as per requirement will be provided .

Technical Specifications for cables

Data cables for networking controller with Proximity card readers :

2 Pair , 1.5 sq.mm. PVC insulated and sheathed, twisted pair , shielded and armored annealed tinned copper cable

Data cables between controller and door:

8 Pair, 1.0 sq. mm. PVC insulated and sheathed , twisted pair, shielded and armored annealed tinned copper cable.

Power cables : Finolex/Polycab flexible PVC conduit.

Details of various items to be submitted by the Parties along with the Tender

- 1.Server type/model and PC configuration
- 2.Hardware details of proximity switches/sensors, its make, other compatibility features and software details.
- 3.Make and type of the cables for signal and power wiring, method of its laying on the floor/wall/ceiling etc.
- 4.Dimension details of the Tripod Turnstile arms/case works, materials used etc.
- 5.List of other items which are covered for work completion but not indicated as separate BOQ item.

Bill of Quantities: Supply, Instaln., testing and commissioning of ACS at the Bank's premises using proximity card readers, Tripod Turnstile, Stainless steel wicket Gate and related software. This system will also use Time Attendance software and will be linked with the printers and servers. The work will entail providing necessary hardware, software, signal and power cabling, providing PC and printer and all allied civil, electrical and carpentry work, inclusive all applicable taxes , duties, etc.

Ser No.	Description	Make	Qty	Unit rate	Amt In Rs
1	Proximity card reader for Entry <ul style="list-style-type: none"> ○ Contact less smart card 13.56 Mhz corresponding to ISO Standards with LCD display, TCP/IP enabled, USB, Lock control etc. complete. ○ Read Range 6.25 cm. Audio indication Beep on valid card read. ○ Visual indication Red LED- ON, shall turn Green on Valid card read 	Bosch	2		
2	Proximity card reader for Exit ---do--	Bosch	2		
3	4 Reader Door controller- CE and UL approved <ul style="list-style-type: none"> ○ Power Supply 230V AC Mains Single phase@50 Hz. ○ Back Up Battery 12V DC, 7 AH ,Rechargeable , Maint Free. ○ Input type 2(Trigger, Log). Output Type 3 (Momentary, continuous, Timed) ○ Input Supervision Normal Day Scheduler 8 ○ Timers 64 (each with 8 or more transitions) ○ Time Zones 64 (each with 2 ON periods & 2 OFF periods) ○ Security levels 3 and Card Validity Definable by date and time ○ <i>Shall be Web based & have internal memory with inbuilt TCP/IP and Client –Server type configuration.</i> 	Bosch	1		
4	Wicket gate of 3ft width of standard design (as approved by NABARD) with horizontal square bars and frames made with 100% Stainless Steel	Shivanand	1		
5	Time attendance software with ACS	Standard	1		
6	PC link software, if required	Standard	1		

7	Proximity cards <ul style="list-style-type: none"> ○ Card types 5 (Normal user, Super user, Visitor, Contractor & Maint. ○ Card attributes 4 (Valid/ void, Trace, Custodian, & Escort) ○ Lanyard with printed logo/name/card case as per requirement ○ Front and Back side printed sticker as per NABARD requirement. 		300		
8	RSC-232 converter	Standard	1		
9	Proximity card printer	Standard	1		
10	Drop Arm Tripod Turnstile <ul style="list-style-type: none"> ○ P/S:230V AC Mains Single phase@50 Hz with back-up battery as above. ○ Dimension of case work 985 X 230 X 1069 mm approx. ○ Walk way 380/500+ 50 mm. ○ Opening time From 2 to 10 seconds ○ Material of case work Stainless Steel Duty cycle 100% Cont. ○ Protection level IP54 Integration 2PFC required (Entry &Exit) ○ Locking mechanism Solenoid Intelligence Real Time Safety/ Emergency mechanism with Manual Drop arm facility 	Shivanand	2		
11	PC (server and client) <ul style="list-style-type: none"> ○ Processor: Intel Core2Duo ○ Clock speed 2.8 GHz or above ○ RAM 2 GB, Hard Disk 320 GB or greater ○ Optical Drive: DVD-R/W ○ Key board standard 101 key ○ 2 button scrolling optical mouse ○ LCD Monitor 17" TFT ○ Network 10/100/1000 MBPS Ethernet card ○ Software: Windows XP with SP2 or Vista Business/2000 	IBM /Dell/ HP/ Compaq / Lenovo	1		

	Professional/server Database (Any database as supported by the application)				
12	Printer (A 4 Laser Printer with Resolution 1200/1200 Dpi, Print speed -- 21 pages per minute Memory --32 MB, Automatic duplex printing, Duty cycle-10000Pages per month and Input tray of 250 sheets)	HP	1		
13	Entire wiring work for power and signaling cabling to be laid on existing floor/wall/over false ceiling	Polycab/D-link /Excel	L/S		
14	Comprehensive Annual Maintenance Contract for 5 years from the date of expiry of the warranty period.The amount will be payable in advance half-yearly.		Rate/yr		
				Total	

Grand Total amount in words = Rupees _____

Signature with seal of the Party.