



**ORISSA POWER TRANSMISSION
CORPORATION LIMITED.
OFFICE OF THE SR. GENERAL MANAGER [C.P.C.]
BHUBANESWAR.**

**TENDER SPECIFICATION
No. SR GM-CPC-ACCESS CONTROL-1/2010-11**

**PROCUREMENT OF ACCESS CONTROL SYSTEM FOR
MULTI-STORIED OFFICE BUILDING OF OPTCL AT
BHUBANESWAR**

Sale of tender paper - From dt 19.04.2010 to 11.05.2010

Last date of submission of tender paper- 11.05.2010(1.30 PM)

Date of opening of Tender - 11.05.2010 (3.30 PM)

COST OF TENDER PAPER: RS. 2000 + 4% VAT



**ORISSA POWER TRANSMISSION CORPORATION LIMITED
REGD. OFFICE, JANAPATH, BHUBANESWAR –751022
ORISSA.**

TENDER NOTICE NO. 01 / 2010-11

For and on behalf of ORISSA POWER TRANSMISSION CORPORATION Limited, Sr. G.M(CPC) invites Tenders from reputed firms having previous experience in Access Control equipments and minimum qualifications as specified in the tender specification for Supply, Installation and commissioning of **Access Control System** at 1st to 4th floor of Multi-storied office building of OPTCL at Bhubaneswar. Tender papers shall be sold from **dt.19.04.2010 to dt.11.05.2010** at this office. Interested firms may log on to OPTCL's official website <http://www.OPTCL.co.in> from dt.19.04.10 for detail specifications & visit site location.

SR. GENERAL MANAGER [C.P.C.]



NOTICE INVITING TENDER
ORISSA POWER TRANSMISSION CORPORATION LIMITED,
REGD. OFFICE: JANPATH, BHUBANESWAR – 751 022,
ORISSA, INDIA.
TENDER NOTICE NO. 01 / 2010-11

For and on behalf of the ORISSA POWER TRANSMISSION CORPORATION LIMITED, the undersigned invites bids under single-part bidding system in double-sealed cover for the works as mentioned below, duly superscribed with tender specification number and date of opening, from experienced manufacturer/authorized dealer for Supply, installation and commissioning of Access Control System for the multi-storied building at OPTCL Hqrs., Bhoi nagar, Bhubaneswar.

<i>Sl. N.</i>	<i>Tender Specification No.</i>	<i>Description of works.</i>	<i>Quantity</i>	<i>Earnest Money Deposit (In Rs.)</i>	<i>Cost of Tender Paper Rs</i>	<i>Last date of receipt & opening of tender</i>
1.	Sr.GM-CPC-Access Control-01 / 2010-11	Supply, Installation, Testing and commissioning of Access Control System for the Multi-storied Building of OPTCL Hqrs. at Bhubaneswar.	1 Set	2,800/-	2000/- + 4% VAT	11.05.2010

The tender specification documents can be had from the office of the undersigned on payment of non-refundable cost of tender specification documents in the shape of cash during office hour from **19.04.2010 to 11.05.2010** (both days inclusive) on any working day either in person or by remitting demand draft payable to

Drawing & Disbursing Officer, ORISSA POWER TRANSMISSION CORPORATION LIMITED, Regd. Office: Janpath, Bhubaneswar- 751022. No other mode of payment is acceptable. No tender documents will be sold on any other day except as indicated.

The specification can also be down loaded from OPTCL's official web site and the same may be submitted alongwith the cost of tender document by way of demand draft/ pay order payable to D.D.O, OPTCL Ltd. Janpath, Bhubaneswar at the time of submission of tender document. Incase any deviation is found in the tender document submitted by the Tenderers from the content mentioned in our web site and/ or non submission of cost of tender documents, the tender shall be liable to be rejected at any stage of the contract. The Tenderers has to indemnify OPTCL for any loss accruing due to such alternation in the terms and conditions of the tender document & / or for such alternation, resulting in the cancellation of the contract.

The intending bidders, who want to get a copy of the tender specification document by post, are required to deposit an additional amount of Rs.200/- over and above the cost of the tender specification, mentioned under heading "Cost of tender specification". Complete bids will be received upto 1.30 P.M. only and the same will be opened at 3.30 P.M. on the date mentioned against above Tender Specification. In the event of any specified date for the sale, submission or opening of bids being declared a holiday for OPTCL, the bids will be sold/ received / opened up to the appointed times on the next working day. Only one representative of the bidder will be allowed to participate in the bid opening. OPTCL also reserves the right to accept or reject the tender without assigning any reasons thereof, if the situation so warrants. OPTCL shall not be responsible for any postal delay at any stage.

Minimum qualification criteria of bidders:

The bidder should have previous experience in Supply, Erection, Testing and commissioning of Access Control System for any reputed organisation for which the firm has to produce both work order copy as well as the completion certificate from the competent authority.

**SR. GENERAL MANAGER
CENTRAL PROCUREMENT CELL**

SECTION – I

INSTRUCTIONS TO BIDDERS

SECTION – I

INSTRUCTIONS TO BIDDERS:

1. Sealed Tenders in duplicate on **one part** basis, each complete with all details in the manner specified below together with drawings, test reports, descriptive literature if any, and declaration form duly signed by tenderer are to be submitted in the office of the Sr. G.M. [CPC], ORISSA POWER TRANSMISSION CORPORATION LTD, Bhubaneswar in double sealed cover and superscribed on each of the covers the relevant tender specification number and due date of opening as indicated in the ‘Notice Inviting Tenders’.
2. The specification is divided into four sections —
 - (i) Section – I – Instruction to Bidders.
 - (ii) Section – II – General Conditions of Contract.
 - (iii) Section – III – Schedules & Annexures.
 - (iv) Section – IV – Technical Specification
3. The purchaser reserves the right to alter the quantities with respect to materials/equipments/volume at the time of placing orders. Orders may also be split up among more than one bidder for any particular item/work.
4. Tenders will be opened in the office of Sr. G.M. [CPC], OPTCL in presence of such of the Tenderer or their authorized representative (limited to one person only with a valid authorization from his employer). At the time of opening, the techno-commercial bids and other relevant details will be read out. Price bid of successful Techno-commercial bidders would be opened at a later date with due information to the successful bidders.
5. The tenderer may deviate from the specification while quoting if in his opinion such deviation is in line with the erectors standard practice and conducive to a better and more economical offer. All such deviations should however be clearly indicated giving full justifications for such deviation separate sheet(s) under ‘Deviations’ title.
6. Only those who have purchased the copy of relevant Specification No. Sr. GM – CPC - Access Control - 01 / 2010-11 can submit their tender. Interested parties may down load the details of the tender specification from the OPTCL web site www.optcl.co.in and submit the tender along with the cost of tender paper for Rs 2,000/-+4 % VAT in shape of

DD drawn in favour of D.D.O, OPTCL HQ from any nationalized bank payable at Bhubaneswar.

7. The purchaser reserves the right to reject the lowest or any other tenders or all tenders without assigning any reason what so-ever if it is considered expedient in the overall interest of OPTCL.
8. The tender should be in one part consisting of for Techno commercial details and prices. The tender shall be submitted in duplicate and should be enclosed in double sealed cover both addressed to the Sr. G.M.[CPC], ORISSA POWER TRANSMISSION CORPORATION Ltd., Janpath, Bhubaneswar – 751 022. Both inner and outer cover should be sealed and superscribed with Tender Specification number and date of opening, (No.1 envelope should contain the original copies of technical parts of the specification with schedules and form including receipt of Earnest Money deposit and the No. 2 Envelope should contain original and copies of price bid i.e. schedule of prices in Annexure- XII accompanied with abstract of price component in Annexure-IV). The tender should be submitted in person or by Registered Post with A.D. and any other means of delivery shall not be accepted.
9. Tenders received after due date and time shall be returned without being opened. Telegraphic or Fax Tenders shall not be accepted under any circumstance.
10. **EARNEST MONEY DEPOSIT :**

The tender shall be accompanied by Earnest Money Deposit of Rs 2,800/-

The Earnest Money Deposit shall be offered in one of the following forms subject to the conditions mentioned below —

- (a) Bank Draft/Pay Order to be drawn in favour of DDO(Hqrs.), ORISSA POWER TRANSMISSION CORPORATION Limited, Bhubaneswar-751 022.
- (b) Bank Guarantee from any Nationalized Bank as per enclosed proforma , Annexure- X.

The validity of the above tender shall be 180 days from the date of opening of the tenders failing which the tenders will be liable for rejection.

- (i) No interest shall be paid on Earnest Money Deposit. No adjustment towards Earnest Money Deposit shall be permitted against any outstanding amount with OPTCL.
- (ii) In the case of un-successful tenderer, the Earnest Money will be refunded after finalization of tender. In case of successful bidder Earnest Money will be refunded only after furnishing performance security.
- (iii) Earnest Money/Performance Security will be forfeited if the tenderer fails to accept the letter of intent and/or purchase orders issued in his favour.
- (iv) Tenders not accompanied by Earnest Money shall be disqualified.

Validity —

- 11. The tenders should be kept valid for a period of 180 days from the date of opening of the tenders as notified in the tender notice and subsequent Amendment thereof failing which the tenders will be rejected.
- 12. **Price:-**
 - (i) Tenderers are required to quote 'FIRM' Price. No deviation from FIRM PRICE will be entertained irrespective of deviation clause No.-5 of this part of the specification.
 - (ii) The prices quoted shall be FOR Destination only at the consignee's site/store inclusive of packing, forwarding, Freight & Insurance. In addition, the break-up of FOR Destination price shall be given as per schedule of Prices in Annexure- XII of Section – III.
- 13. Tenderers are expected to be fully conversant with the meaning of all the clauses of the specifications before submitting their tenders. In case doubt regarding the meaning of any clause, the tenderer may ask for clarification in writing from the Sr. General Manager (CPC), OPTCL, Bhubaneswar which must reach at least 10 days before the scheduled date of opening of tender. This however, does not entitle the tenderer to ask for time beyond due date fixed for receipt of tender.
- 14. The tenderer should comply the following requirements along with the offer.
Adequate Experience in Supply, Installation, Testing and commissioning of Access Control System.
- 15. The successful bidder is required to furnish all designs, Drawings, Literature in respect of the said work at his own cost within 10 days of placement of LOI/PO; otherwise the same is liable for rejection without notice.

16. Bidders are required to submit tenders in the following manner. All documents/information in schedules as described below shall be placed in a double sealed covers

ENVELOPE-1:

- [i] Declaration Form. **As per Annexure-II**
- [ii] Earnest Money. **As per Annexure- X**
- [iii] Technical specification and Guaranteed Technical Particulars conforming to the Purchaser's Specification along with drawings, literatures and all other required Annexure, duly filled in.
- [iv] Abstract of Terms & conditions in prescribed proforma as per **Annexure-III**
- [v] General Terms & Conditions of supply offer as per Section-II of the Specification.
- [vi] List of orders executed for similar materials/equipments during preceding **2 (two) years** indicating the customer's name, Purchase Order No. & Date, date of supply and date of commissioning etc.
- [vii] Data on past experience **as per Clause-14 of Section-I** of the Specification.
- [viii] Sales tax clearance certificate for the previous year. The permanent account number [PAN] of the firm is required under Income tax Act.
- [ix] Audited Balance sheet & profit loss accounts of the bidder, for past **(3) three years**.

ENVELOPE:2

- [i] Abstract of Price Component, as per **Annexure-IV**
- [ii] Schedule of prices in the prescribed proforma as per **Annexure-XII**

17. Conditional offer shall not be accepted.

SECTION – II

GENERAL CONDITIONS OF CONTRACT

1. DEFINITION OF TERMS:

In writing these General Conditions of Contract, the specification and bill of quantity, the following words shall have the meanings hereby indicated, unless there is something in the subject matter or content inconsistent with such construction.

“OPTCL” shall mean the ORISSA POWER TRANSMISSION CORPORATION Limited represented through the Sr. General Manager (CPC).

“The Engineer in charge” shall mean the Engineer or Engineers authorized for the purpose of this contract.

“OPTCL Engineer” shall mean any Engineering person or personnel authorized by the OPTCL to supervise and inspect the installation work of the equipment as per the tender specification..

“The Contractor” shall mean the successful bidder awarded with the contract or their successors and permitted assigns.

“Contract Price” shall mean the sum named in or calculated in accordance with the provisions of the contract as the contract price.

“General Conditions” shall mean these General Conditions of Contract.

“Specification” shall mean the specification annexed to these General Conditions of contract and shall include the schedules and drawings attached thereto or issued to the contract as well as all samples and patterns, if any.

“Month” shall mean calendar month.

“Writing” shall include any manuscript, type written, printed or other statement reproduced in any visible form whether under seal or under hand.

2. CONTRACT DOCUMENT:

The term “Contract” shall mean and include the General Conditions, specifications, schedules, drawings, work orders issued against the contract, schedule of price or the

final general conditions, any special conditions applying to the particular contract specification and drawings and agreement to be entered into. Terms and conditions not herein defined shall have the same meaning as are assigned to them in the Indian Contract Act falling that in the Orissa General Clauses Act.

3. MANNER OF EXECUTION:

Supply, Installation and commissioning of Access Control System at each of the four nos. floors of OPTCL Multi-storied office building at Janpath, Bhubaneswar.

- 3.1 Shall be carried out in an approved manner as described in the technical specification and, in accordance with relevant Indian Standard Specification, to the reasonable satisfaction of the Engineer.
- 3.2 The contractor shall within 10 days after the date of acceptance of letter submit to the engineer, a detail program for the execution of work for his consent. The contractor shall whenever required by the engineer also provide in writing for his information of general description of the arrangements and methods which the contractor proposes to adopt for the execution of the work.
- 3.3 If at any time it should appear to the engineer that the actual progress of works does not conform to the program to which consent has been given under sub-clause-3.1, the contractor shall produce at the request of the engineer a revised program showing the modification to such program necessary to ensure completion of the works within the scheduled time of completion.

4. VARIATION, ADDITIONS & OMISSIONS:

The OPTCL shall have the right to alter, amend, omit or otherwise vary the quantum of Supply and erection work by notice in writing to the contractor/Firm. The contractor/Firm shall carry out such variation in accordance with the rates specified in the contract so far as they may apply and where such rates are not available, those will be mutually agreed between the OPTCL and the Contractor.

5. INSPECTION DURING INSTALLATION

The Engineer in charge or his authorized representative (s) shall be entitled at all reasonable times to inspect and supervise and test during installation of the System. Such

inspection will not release the contractor from their obligations under this contract, to perform as per specification and standard. Advance intimation must be given to Engineer-in-charge whenever it is needed prior to execution of work.

6. DELIVERY & COMPLETION OF WORK:

Time being the essence of contract, the erection and commissioning of the system shall be completed within the period specified in the contract. The purchaser however reserves the right to reschedule the delivery if required. The delivery period shall be reckoned from the date of placing the Letter of Intent/ P.O.

The desired Delivery period / completion of works including all installation and commissioning works and thereby handing over to the designated engineer shall be within **Three months** from the date of placement of the LOI/ work order which ever is earlier.

- 6.1 **TAKING OVER:** Upon receipt of intimation from the contractor about completion of installation and testing of the equipments at the site OPTCL Engineer shall inspect the total completed works. After successful inspection, the total system as per the contract shall be commissioned by the contractor in presence of the OPTCL Engineer. Then the OPTCL Engineer shall issue a taking over certificate in which he shall certify the date on which the system has been taken over and put into service. This certificate shall be issued within 07 days of the successful commissioning of the whole system.
- 6.2 The issuance of a taking over certificate shall in no way relieve the contractor of his responsibility for the satisfactory operation of the system in terms of the specification.

7. CONTRACTORS DEFAULT LIABILITY:

- 7.1 The OPTCL may upon written notice of default to the Contractor/Firm terminate the contract in circumstances detailed hereunder.
- 7.1(i) (a) If, in the judgment of the OPTCL, the contractor/Firms fails to complete the scope of work within the time specified in the contract agreement or within the period for which the OPTCL has granted extension to the contractor.
- (b) If, in the judgment of the OPTCL, the contractor fails to comply with any of the provisions of this contract.

- 7.1(ii) In the event OPTCL terminates the contract in whole or in part as provided in paragraph (i) above, OPTCL reserves the right to engage another contractor or agency upon such terms and in such a manner as it deem appropriate and the contractor will be liable to OPTCL for any additional costs as may be required for the completion of the system and/or for penalty for delay as defined under this contract until such reasonable time as may be required for the final completion of the system.
- 7.1(iii) In the event OPTCL does not terminate the contract as provided in paragraph (i) the contractor/Firm shall continue the performance of the contract in which case he shall be liable to the OPTCL for penalty for delay as set out in this contract until the system is completed.

8. FORCE MAJEURE:

The contractor shall not be liable for any penalty for delay or for failure to perform the contract for reasons of FORCE MAJEURE such as acts of God, acts of public enemy, acts of Government, cyclone, fires, floods, epidemics, quarantine restrictions, strikes, freight embargoes provided that the contractor shall within 10(ten) days from the beginning of such delay notify the OPTCL in writing of the cause of delay. The OPTCL shall verify the facts and grant such extension as facts justify.

9. REJECTION OF WORKS:

In the event of any of the material supplied/work done by the contractor is found defective in material or workmanship or otherwise not in conformity with the requirement of this contract specification, the OPTCL shall either reject the material and/or work and request the contractor to rectify the same. The contractor on receipt of such notices rectify or replace the defective material and rectifies the work, free of cost. If the contractor fails to do so the OPTCL may,

- (a) at its option replace or rectify such defective materials and/or work and recover the extra cost so involved from the contractor plus fifteen per cent of the extra cost from the contractor and/or
- (b) Terminate the contract for balance work/supplies with enforcement of penalty as per contract.

(c) Defective materials/workmanship will not be accepted under any condition and shall be rejected outright without compensation. The contractor shall be liable for any loss/damage sustained by OPTCL.

10. EXTENSION OF TIME:

If the completion of erection is delayed due to reason beyond the control of the contractor, the contractor shall without delay give notice to the OPTCL in writing of his claim for an extension of time. The OPTCL on receipt of such notice may agree to extend the contract completion date of the system as may be reasonable but without prejudice to other terms and conditions of the contract.

11. GUARANTEE PERIOD:

The work done/material supplied by the contractor as per the contract specification should be guaranteed for satisfactory operation and against any defect in material and workmanship for a period of 18 (eighteen) months from the date of supply and installation of the equipments at the site or 12(twelve) months from the date on which the Access Control system has been commissioned and put to service whichever is earlier. The above guarantee certificate shall be furnished in triplicate to the purchaser for his approval. Any defect noticed during this period should be rectified by the supplier free of cost to OPTCL upon written notice provided such defects are due to bad workmanship or bad materials used. The date of delivery of system as read in this clause shall mean the date taking over the system by OPTCL.

12. PERFORMANCE GUARANTEE:

A Composite bank guarantee as per the proforma enclosed at Annexure-IX of the specification for an amount of 10% of the contract price shall be furnished from any Nationalized/Scheduled Bank having a place of business at Bhubaneswar to the office of Sr. General Manager [Central procurement cell] OPTCL with in 15 days from the date of issue of the purchase order. The Bank guarantee shall be executed on a non judicial stamp paper worth Rs.50/- or any other amount as per the Orissa Stamp Duty Act and shall be kept valid till two months more than the guarantee period mentioned in the foregoing clause for scrutiny and acceptance failing which the purchase / work order will be liable for cancellation with out any further notices. The BG should be accompanied by

a confirmation letter from the concerned bank and should have provision for encashment at Bhubaneswar, before the bank guarantee is accepted and all concerned intimated.

OPTCL shall pay no interest for the aforesaid bank guarantee. In case of non-fulfillment of contractual obligation or non-performance of the system as per the contract / specification, the composite bank guarantee shall be forfeited and encashed by OPTCL.

13. TERMS OF PAYMENT:

The contractor shall present a bill for the works completed, inspected, duly checked and measured & certified by OPTCL Engineer-in-charge, as per OPTCL norm at the charges/rates accepted alongwith materials utilization certificate of OPTCL's supply materials, if any issued. 100% value of the consignment with 100% Excise duty, Entry tax if any and Sales tax in full as applicable along with freight & Insurance charges will be paid subject to furnishing and approval of composite Bank Guarantee @ 10% (Ten percent of the contact price) as stipulated in this specification & on prior approval of guarantee Certificate and Test Certificate by the Purchaser.

14. PENALTY FOR DELAY IN COMPLETION OF CONTRACT:

If the contractor fails to complete the erection, testing and commissioning etc. within the delivery schedule specified in the work order or any extension granted thereto, the OPTCL shall recover from the contractor as penalty a sum of half of one per cent (0.5%) of the contract price of the uncompleted portion of the system for each calendar week of delay. For this purpose, the date of taking over shall be reckoned as the date of completion. The total penalty shall not exceed 5% (five per cent) of the contract price of the uncompleted portion of work.

15. INSURANCE:

The contractor shall arrange insurance coverage for the OPTCL materials at his custody and system works under execution by him as per the condition laid down in the relevant clause of the technical specification.

16. Sales Tax clearance certificate and Balance sheet and profit & Loss Account:

- i) Sales Tax clearance certificate for the previous year shall be enclosed with the tender.
- ii) Audited Balance Sheet and Profit & Loss Account of the bidder for the previous three years shall be enclosed to assess the financial soundness of the bidder(s).

17. Certificate of Exemption from Excise Duty/Sales tax.

Offers with exemption from Excise duty including sales tax shall be accompanied with authenticated proof of such exemption. Authenticated proof for this clause shall mean attested Photostat copy of exemption certificate. Any claim towards Excise duty/ Sales Tax shall be paid on actual basis subject to production of authenticated documentary evidence.

18. PAYMENT DUE FROM THE CONTRACTOR:

All costs of damages for which the contractor is liable to the purchaser will be deducted by the purchaser from any money due to the contractor under the contract.

19. JURISDICTION OF THE HIGH COURT OF ORISSA:

Suits, if any, arising out of this contract shall be filed by either party in a Court of Law to which the jurisdiction of the High Court of Orissa extends.

20. CONTRACTORS/ Firms RESPONSIBILITY:

Notwithstanding anything mentioned in the specification or subsequent approval or acceptance of the system by OPTCL, the ultimate responsibility for satisfactory performance of the system shall rest with the contractor.

21. RESPONSIBILITY TO RECTIFY THE LOSS AND DAMAGE:

If any loss or damage happens to the work or any part thereof or materials/plant/equipments for installation therein during the period of execution and till final handing over the contractor is responsible for the same and shall at his own cost rectify/replace such loss or damage, so that the permanent work conforms in every respect with the provision of the contract to the satisfaction of the engineer. The contractor shall also be liable for any loss or damage to the work/equipment caused by him in course of any operation carried out by him during performing the contract.

22. NON-ASSIGNMENTS:

The contractor shall not assign or transfer the work orders issued as per this contract or any part thereof to anyone else without the prior approval of OPTCL

23. CERTIFICATES NOT TO AFFECT RIGHTS OF OPTCL:

The issuance of any certificate by OPTCL or any extension of time granted by OPTCL shall not prejudice the rights of OPTCL in terms of the contract nor shall this relieve the contractor of his obligations for due performance of the contract.

24. SETTLEMENT OF DISPUTES:

- 24.1 Except as otherwise specifically provided in the contract, all disputes concerning question of fact arising under the contract shall be decided by OPTCL provided a written appeal by the contractor is made to OPTCL. The decision of OPTCL shall be final to the parties hereto.
- 24.2 Any disputes or difference including those considered as such by only one of the parties arising out of or in connection with this contract shall be to the extent possible be settled amicably between the parties. If amicable settlement cannot be reached then all disputed issues shall be settled by Arbitration as provided in this contract.

25 ARBITRATION:

- 25.1 If at any time any question, dispute or difference whatsoever arises between the OPTCL and the contractor, upon or in relation to or in connection with this contract, either party may forthwith give to the other a notice in writing of the existence of such question, disputes or difference and the same shall be referred to the adjudication of three arbitrators, one to be nominated by OPTCL, the other by the contractor and the third by the President of the Institution of Engineers, India. If either of the parties fail to appoint its arbitrator, within sixty (60) days after receipt of notice for the appointment of its arbitrator then the President of the Institution of Engineers, India shall have the power at the request of either of the parties to appoint an Arbitrator. A certified copy of the "President" making such an appointment shall be furnished to both parties.
- 25.2 The arbitration shall be conducted in accordance with the provisions of Indian Arbitration Act, 1940 or any statutory modification thereof and shall be held at such place and time in India as the Arbitrators may determine. The decision of the majority of Arbitrators shall be final and binding upon the parties hereto and the expenses of the arbitration shall be paid as may be determined by the Arbitrators.
- 25.3 Performance under the contract shall if reasonably possible continue during the arbitration proceedings and payments due to the contractor by OPTCL shall not be withheld unless they are the subject matter of the arbitration proceedings.

26 LAWS GOVERNING CONTRACT:

The contract shall be governed according to and subject to the Laws of India and jurisdiction of the Courts of Orissa.

27 LANGUAGE AND MEASURES:

All documents pertaining to the Contract including specifications, schedules, notices, correspondence, operating and maintenance instruction, drawings or any other writings shall be written in English language. The metric system of measurement shall be used exclusively in this contract.

28 CORRESPONDENCE:

28.1 Any notice to the contractor under the terms of the contract shall be served by registered mail or by hand to the authorized local representative of the contractor and copy by post to the contractor's principal place of business.

28.2 Any notice to OPTCL shall be served to the Sr. General Manager (CPC), ORISSA POWER TRANSMISSION CORPORATION Limited, Bhubaneswar-751 022 (Orissa) in the same manner through the concerned Engineer-in-charge.

29 SECRECY:

The contractor shall treat the details of the specification and other documents as private confidential and those shall not be reproduced without written authorization from OPTCL.

30. OUTRIGHT REJECTION OF TENDERS:

Tenders shall be outrightly rejected if the followings are not complied with.

- [i] The Tenderer should have purchased/obtained the Bid specification document from the office of the OPTCL or downloaded the same from website of OPTCL, but shall deposit the tender cost, while submitting the tender.
- [ii] The Tender shall be submitted in person or by Registered Post with A.D.
- [iii] The Tender shall not be submitted telegraphically or by FAX.
- [iv] The Tender shall be accompanied by the prescribed Earnest Money deposit.
- [v] The Tender shall be kept valid for a minimum period of 180 days from the date of opening of tender.
- [vi] The Tenders shall be accompanied by a list of major works executed prior to the date of opening of tender. Data of at least 3 (three) years shall be furnished.
- [vii] The schedule of prices should be filled up fully to indicate the break-up of the prices including taxes and duties. Incomplete submission of this schedule will make the tender liable for rejection.

- [viii] The Tenderer should quote 'FIRM' price only and the price should be kept valid for a minimum period of 180 days from the date of opening of the tender.
- [ix] Tender shall be accompanied by legibly written user's certificate to prove the satisfactory operation of the offered works/materials for a minimum period of 3 years from the date of commissioning/use as per the tender specification. User's certificate shall include the detailed address of the user with Work/Material, Name and type as per this specification, number of years of satisfactory use/operation & date of issue of this user's certificate with official seal written in English only & clearly visible must be furnished.
- [x] Guaranteed Technical particulars and Abstract of terms and Conditions. should be filled in completely.

31. **DOCUMENTS TO BE TREATED AS CONFIDENTIAL.**

The Contractor shall treat the details of the specification and other tender documents as private and confidential and these shall not be reproduced without written authorization from the OPTCL.

32. **SCHEME/ PROJECTS:**

The work covered in this specification shall come under "R & M" works of Tele Communication.

SECTION III

SCHEDULES AND ANNEXURES

SECTION III

SCHEDULES AND ANNEXURES

(i)	General Information -	Annexure – I
(ii)	Declaration Form -	Annexure – II
(iii)	Abstract of Terms & Conditions -	Annexure – III
(iv)	Abstract of price component	Annexure – IV
(v)	Personal capability	Annexure – V
(vi)	Equipment capability	Annexure – VI
(vii)	Experience Record	Annexure – VII
(viii)	Departure from Specification (Technical) - Departure from the condition of contract (commercial)	Annexure – VIII
(ix)	Composite Bank Guarantee Form	Annexure – IX
(x)	Bank Guarantee Form for Earnest Money	Annexure – X
(xi)	Schedule of price	Annexure – XII
(xii)	Extract of OPTCL Multi-storied building plan (4 th floor) indicating the position of entrance door to floor interior	Annexure- XIII

ANNEXURE – I

GENERAL INFORMATION

The bidder shall furnish general information in the following format.

1. Name of the Firm:

2. Head office address:

3. Contact persons:

Telephone No.

Office:

Residence:

4. Fax No.

Telex:

5. Place of incorporation/Regn.

Year of incorporation/Regn.

Signature with designation &
Seal of Tenderer.

ANNEXURE – II DECLARATION FORM

Tender Specification No. _____ /

To

Sir,

1. Having examined the above specification together with terms & conditions referred to therein * I/We the undersigned hereby offer to supply, install & commission the equipments covered therein complete in all respects as per the specification and General conditions, at the rates, entered in the attached contract schedule of prices in the Tender.
2. * I/We hereby undertake to have the equipments delivered & commission the system within the time specified in the Tender.
3. * I/We hereby guarantee the technical particulars given in the Tender supported with necessary reports from concerned authorities.
4. * I/We certify to have purchased/ downloaded a copy of the specification by remitting *cash/money order/D.D./ remitting the cost of tender, herewith and this has been acknowledged by your letter/ money receipt No. _____ Dated, _____
5. In the event of Tender, being decided in *my/our favour, * I/We agree to furnish the Composite B.G. in the manner, acceptable to ORISSA POWER TRANSMISSION CORPORATION LTD., and for the sum as applicable to *me/us as per clause-12 of section-II of this specification within 15 days of issue of letter of intent/purchase order failing which *I/We clearly understand that the said letter of Intent/Purchase order will be liable to be withdrawn by the purchaser, and the EMD deposited by us shall be forfeited by OPTCL.

Signed this _____ day of _____ 2010

Yours faithfully

Signature of the Tenderer with seal of the _____ company

[This form should be dully filled up by the tenderer and submitted along with the original copy of the tender]

* (Strikeout whichever is not applicable).

ANNEXURE-III

ABSTRACT OF GENERAL TERMS AND CONDITIONS OF CONTRACT [COMMERCIAL] TO ACCOMPANY PART-I

1	(a) OPTCL Money Receipt No. & Date towards purchase of Tender. (b) Earnest money furnished. (A) Bank Guarantee, (B) Bank Draft.	
2	Manufacturer's supply experience including user's certificate furnished or not.	Yes/No
3	Deviations to the specification if any[list enclosed or not] [As per clause-5 of Section-I] (a) Commercial (b) Technical.	Yes/No Yes/No
4	Delivery (period in months from the date of LOI/ work order)	
5	Guarantee:- Whether agreeable to OPTCL's terms. [As per clause-11 of Section-II]	Yes/No
6	Whether agreeable to furnish Composite B.G. in case his tender be successful [As per clause-12 of Section-II]	Yes/No
7.	Terms of payment:- Whether agreeable to OPTCL's terms or not [As per clause--13 Section-II]	Yes/No.
8.	Nature of price:- FIRM	Yes/No
9.	Penalty:- Whether agreeable to OPTCL's terms or not (As per clause- 14 of Section-II)	Yes/No
10.	Whether STCC/ P&L A/C, Balance Sheet for the required period are furnished as per clause- 16 of Section-II	Yes/No
11.	Validity: - Whether agreeable to OPTCL's terms or not [As per clause-11 of Section-I]	Yes/No
12.	Whether recent type test certificates from any Government approved laboratory are furnished or not.	Yes/No
13.	Whether guaranteed technical particulars in complete shape are furnished or not	Yes/No
14.	Whether dimensional design/drawings furnished or not	Yes/No
15.	Whether materials are ISI/ISO marked.	Yes/No
16.	Manufacturer's name and it's trademark.	Yes/No
17.	Whether registered under Orissa Sales Tax Act. 1947	Yes/No
18.	Whether declaration form duly filled in furnished or not.	Yes/No.

Place: -

Date: -

Signature of the Tenderer
with seal of the company

N.B. Delivery as per column 4 means supply & Final Commissioning of the system

ANNEXURE-IV

ABSTRACT OF PRICE COMPONENT [TO ACCOMPANY PRICEBID]

1	Price basis	F.O.R. Purchaser's destination Stores/site.
2	Packing & forwarding	
3	Rate of Insurance charges	
4	Rate of Freight charges	
5	Rate of excise duty	
6	Rate of sales Tax	
7	Rate of other taxes/levies /duties etc.	
8	Rate of entry tax.	
9.	Rate of Service Tax on supervision of erection testing and commissioning	
10.	Nature of price.	

Place
Date:

Signature of Tenderer
With seal of company

NB:- Abstract of price component shall be done for equipment/material offered, for testing & commissioning charges, if any. All the above prices will be taken during bid price evaluation.

ANNEXURE – V

PERSONNEL CAPABILITIES

Name of Applicant:

Details of persons available with necessary qualifications and experience in Supply, Erection and commissioning of Access Control System, both managerial supervisory & workmen with necessary license/workman permit issued by the competent authority if any shall be furnished in the following formats.

A) PERSONNEL IN MANAGERIAL POSITION:

Sl. No.	Name of person with designation	Educational/ Tech. Qualification	Year of experience	Details of License if any
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B) PERSONNEL IN SUPERVISORY POSITION:

Sl. No.	Name of person with designation	Educational/ Tech. Qualification	Year of experience	Details of License if any
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C) PERSONNEL IN WORKMEN CATEGORY:

Sl. No.	Name of person with designation	Educational/ Tech. Qualification	Year of experience	Details of License if any
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Signature of Tenderer
With seal of company

ANNEXURE – VI

EQUIPMENT CAPABILITIES

Name of the Applicant:

The bidder shall provide as the capability to meet the requirements for each and all items of equipment for manufacturing, erection and testing in the following format:

(A) Installation

Sl. No.	Description of equipment	Model/ Rating	Capacity	Year of manufacture
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(B) Testing:

Sl. No.	Description of equipment	Model/ Rating	Capacity	Year of manufacture
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Signature of Tenderer
With seal of company

ANNEXURE - VII

EXPERIENCE RECORD

The bidder shall furnish details of work orders for similar nature of erection work received during the last three years and already completed and under execution.

Sl. No.	Work order/ No. & Date	Name & address of the owner	Value of contract	Scheduled date of delivery/completion of work	Remarks
---------	------------------------	-----------------------------	-------------------	---	---------

Signature of Tenderer
With seal of company

ANNEXURE – VIII

DEPARTURE FROM SPECIFICATION

(A) Tenderer shall enter below particulars of his alternative proposals for deviation from the specification, if any.

Sl. No.	Clause No. of Specification	Particulars of deviation	Price
---------	-----------------------------	--------------------------	-------

Date:

Place:

SIGNATURE OF TENDERER

NAME:

DESIGNATION:

(SEAL)

(B) Departure from the condition of contract (commercial)

The tenderer shall enter below, departure if any, from the conditions of contract as herein.

Date:

Place:

SIGNATURE OF TENDERER

NAME:

DESIGNATION:

(SEAL)

ANNEXURE –IX
COMPOSITE BANK GUARANTEE

This Guarantee Bond is executed this day of2010 by
us the..... (Bank)
At PO-..... PS-
.....Dist-..... State

WHEREAS the ORISSA POWER TRANSMISSION CORPORATION Ltd. A body corporate constituted under the Orissa Electricity Reform Act, 95 (hereinafter called “OPTCL”) has placed work orders No. Dated..... (hereinafter called “the agreement”) on M/s (hereinafter called “the Contractor”) for erection, , testing, commissioning of Access Control System.

WHEREAS the contractor has agreed to execute the work for OPTCL in terms of the said agreement AND

WHEREAS OPTCL has agreed (1) to exempt the contractor from making payment of security, (2) to release 100% payment on the completion of work as per the said agreement and (3) to exempt from performance guarantee on furnishing by the Contractor to OPTCL a Composite Bank Guarantee of the value of 10% (ten per cent) of the said agreement.

NOW THEREFORE in consideration of OPTCL having agreed (1) . to exempt the contractor from making payment of security, (2) to release 100% payment to the contractor and (3) to exempt from furnishing performance guaranteed in terms of the said agreement as aforesaid, we the (Bank) (hereinafter referred to as “the bank”) do hereby undertake to pay to OPTCL an amount not exceeding Rs..... (Rupees
.....) only against any loss or damage caused to or suffered by or would be caused to or suffered by OPTCL by reason of any breach by the said Contractor(s) of any of the terms or conditions contained in the said agreement.

2.WE (the) do hereby undertaken to pay the amounts due and payable under this guarantee without any demour, merely on a demand from OPTCL stating that the amount claimed is due by way of loss or damage caused to or suffered by OPTCL by reason of any breach by the said contractors of any of the terms or conditions contained in the said agreement or by reason of the contractor(s) failure to perform the said agreement. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to all amount not exceeding Rs..... (Rupees
.....).

3. WE the (.....) Bank also undertake to pay to OPTCL any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding instituted/pending before any court or tribunal relating thereto our liability under this present being absolute and unequivocal.

The payment so made by us under this bond shall be a valid discharge of our liability for payment there under and the contractor(s) shall have no claim against us for making such payment.

4. WE (.....) further agree that the guarantee herein contained shall remain in full force and effect during the period that would be taken for the performance of the said agreement and that it shall continue to be so enforceable till all the dues of OPTCL under or by virtue of the said agreement have been fully paid and its claims satisfied or discharged or till Chairman and Managing Director, Gird Corporation of Orissa Ltd. Certifies that the terms and conditions of the said agreement have been fully and properly carried out by the said contractor(s) and accordingly discharges this guarantee.

Unless a demand or claim under this guarantee is made on us in writing on or before the (.....) we shall be discharged from all liability under this guarantee thereafter.

5. WE, (.....) further agree that OPTCL shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said agreement or to extend time of performance by the said contractor(s) and we shall not be relieved from our liability by reason of any such variations or extension being granted to the said contractor(s) or for any forbearance, act or omission on the part of the OPTCL or any indulgence by OPTCL to the said contractor(s) by any such matter or thing whatsoever which under the law relating to sureties would but for this provision have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the name, style and constitution of the bank or the contractor(s).

7. We (.....) lastly undertake not to revoke this guarantee during its currency except with the previous consent of OPTCL in writing.

8. The Bank Guarantee can be encashed at Bhubaneswar in the state of Orissa, at ----- Branch.

Dated at the day of Two thousand four only

For

..... (indicate the name of the Bank)

Witness: (Signature with name & address)

- 1.
- 2.

For

..... (indicate the name of the Bank).

ANNEXURE – X

PROFORMA FOR BANK GUARANTEE FORM FOR EARNEST MONEY DEPOSIT

Ref—
Date—
Bank Guarantee No

In according with invitation to Bid No..... of ORISSA POWER TRANSMISSION CORPORATION Limited (hereinafter referred to as the OPTCL) for the purpose of

..... Ms. or Mr.....
..... Address

.....
Director(s)

.....
Wish/wishes to participate in the said tender and as a Bank Guarantee for the sum of Rs..... valid for a period of days) is required to be submitted by the tenderer, we the _____)

[indicate the name of the bank]

(hereinafter referred to as “Bank”) at the request of Ms/ Shri..... (hereinafter referred to as “Contractor(s)”) do hereby unequivocally and unconditionally guarantee and undertake to pay during the above said period on written request by the _____ ORISSA POWER TRANSMISSION CORPORATION Ltd.

[indicate the designation of purchaser]

an amount not exceeding Rs..... To the said OPTCL without any reservation. The guarantee would remain valid up to 04.00 PM of _____ (date) and if any further extension to this is required, the same will be extended on receiving instruction from the _____ on whose behalf this guarantee has been issued.

Note for tenderers : [Not to be typed in Bank Guarantee]
To be furnished in non-judicial stamp paper of Rs.50/-
Applicable as per Orissa Stamp Duty Act, from any
Nationalised/Scheduled Bank.

2. We, the _____ do hereby further undertake to pay the [indicate the name of the Bank] amounts due and payable under this guarantee without any demur, merely on demand from OPTCL stating that the amount claimed is due by way of loss or damage caused to or would

caused to or suffered by reason of any breach by the said contractor(s) or any of the terms or conditions and failure to perform said Bid. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the Bank under this guarantee. However, our liability under this guarantee shall be restricted to an amount not exceeding Rs.....

3. We undertake to pay to OPTCL any money so demanded notwithstanding any dispute or disputes raised by the contractor(s) in any suit or proceeding instituted/pending before any court or tribunal relating thereto, our liability under this present being absolute and unequivocal. The payment so made by us under this bond shall be a valid discharge or our liability for payment thereunder and the contractor(s) shall have no claim against us for making such payment.

4. We, the _____ further agree that the guarantee herein

[Indicate the name of the Bank]

contained shall remain in full force and effect during the aforesaid period of _____ days _____m days and it shall continue to be so enforceable till all the dues of the Gridco under or by virtue of the said Bid have been fully paid and its claims satisfied or discharged or till Chairman and Managing Director, ORISSA POWER TRANSMISSION CORPORATION Ltd. Certifies that the terms and conditions of the said Bid have been fully and properly carried out by the said contractor(s) and accordingly discharge this guarantee. Unless a demand or claim under this guarantee is made on us in writing on or before _____ we shall be discharged from all liability under this guarantee thereafter.

5. We the _____ further agree with the OPTCL that OPTCL

[Indicate the name of the Bank]

shall have be fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said Bid or to extend time of performance by the said contractor(s) from time to time or to postpone for any time or from time to time only of the powers exercisable by OPTCL against the said contractor(s) and to forbear or enforce any of the terms and conditions relating to the said Bid and we shall not be relieved from our liability by reason or any such variation postponement or extension granted to the contractor(s) or for any forbearance, act or omission on the part of OPTCL or any indulgence by OPTCL to the said contractor(s) or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

6. This guarantee will not be discharged due to the change in the name, style and constitution of the Bank of the 'Contractor(s).

7. We _____ lastly undertake not to revoke this guarantee [indicate the name of Bank]

during its currency except with the previous consent of OPTCL in writing .

8. The Bank Guarantee can be en cashed at Bhubaneswar in the state of Orissa , at ----- Branch.

Dated, the _____ day of _____

Witness: [Signature with Name and address)

1.

2.

For _____
[Indicate name of Bank]

SECTION-IV

TECHNICAL SPECIFICATION

SECTION- IV

TECHNICAL SPECIFICATION FOR ACCESS CONTROL SYSTEM

1. SCOPE

The scope covers supply, installation & commissioning of Access Control System in each of four floors (1st to 4th) of the Multi-storied office building of OPTCL Hqrs. on proximity Smart Card Reader Technology. The Access Control System is required to be provided for swing type double glass doors that would be open in the middle & hinged at right & left side of the door frame. The doors & access points will be released only to authorized personnel after they have been identified by the system. Each entry / exist will be logged centrally for future reference. The Access Control System shall be composed of

- A card that is presented to a door reader.
- The card reader that communicates to the controller.
- The controller with the access control software indicating a valid / invalid card & authorization rights assigned to gain or deny access in to the restricted area.
- The door or gate is then unlocked or remains locked based on the authorization rights.

In the background, there will be a complex system of computer software, networking & highly skilled personnel that incorporate robust security, ease of use & functionality to meet the complex needs of security system.

An extract of OPTCL multi- storied building plan(4th floor) indicating the position of entrance door to floor interior is enclosed with the specification (Annexure- XIII) for better visualization. Similar type entrance doors are positioned at the same location of the respective floors 1st, 2nd and 3rd to get into the concerned floor interiors.

2. TERMINOLOGY

Card	Any token used to uniquely identify the person to whom it is issued.
ACU	Access Control Unit – the electronic hardware that is connected to the Physical hardware installed at a door.
PIN	Personal Identification Number.
Workstation	A personal computer connected to the system.
Door	Any kind of barrier fitted with an electric release mechanism to prevent free Access. A door sensor will be fitted so as to monitor whether the door is open or closed.

3. SYSTEM OVERVIEW

This system are comprised of the following components.

Programming	The setting of people, cards & Access rights will be capable of being performed from a single workstation regardless of number of doors in the system. Suitable facility for programming the ACU by using a local programmer, either for commissioning & diagnostic purposes, or for reprogramming the ACU in the event of failure of some other part of the system (that is PC- to-ACU communications) should be incorporated.
Identification	This feature shall be achieved by providing each person with a uniquely numbered card. In addition, at the time of presenting the card to the reader, additional confirmation may be required for showing the correct person is in possession of the card. This conformation should be in form of a PIN only.
Decision making	The decision to open a door upon presentation of a card to the card reader shall be taken by the ACU to which the reader is connected. No communication with the central database will be required. The decision to raise an alarm on occurrence of a specified event will also be taken by the ACU.
Reporting	Reports will be available both on demand & will include personnel location event & system configuration data.

4. CARD SPECIFICATION

- 4.1 Card should be used with Access Readers to gain entry to the Access Controlled gates and whole information specific to user.
- 4.2 The card should meet to ISO 45693 / ISO1443A standard. It should be of CR80 standard.
- 4.3 The card should have a unique serial number.
- 4.4 The card should support read / write capability with a minimum of 4k bits (4096 bytes) of memory.
- 4.5 The 4K bits card should have a minimum 32 application areas to support future application.
- 4.6 The card should have the capability to store personal data as specified.
- 4.7 There should be provision for storing digital photographs.
- 4.8 The card should be capable of completing any write operation even if the card is removed from the RF field during that operation.
- 4.9 The card should be warranted against defects in materials & workmanship for lifetime.
- 4.10 The card should meet to the following environmental specifications -
 - 4.10.1 Operating temperature: -20°C to 55°C
 - 4.10.2 Operating humidity : 5% to 95% Relative humidity non-condensing.
 - 4.10.3 Should have Keynard Card holder with Neck card facility.

5. CARD READER SPECIFICATION

- 5.1 The Reader should be made up potted and polycarbonate material.
- 5.2 The Reader should contain an integral magnet for use with an external magnetic reed switch to provide tamper protection when connected to the external alarm system.
- 5.3 The card Reader should confirm to ISO-15693 (Read only) standard.
- 5.4 Transmitting frequency: 13.56 MHZ.
- 5.5 Should have a read range of 5 cm to 10 cm when used with the compatible Access card.

- 5.6 The Reader should be required that the card once read must be removed from the RF field before it will be read again, to prevent multiple reads from a single card presentation and anti-pass back errors.
- 5.7 The Reader should have a Wiegand output port and should operate under internal control for read only Access Control application.
- 5.8 The Reader should have separate terminal control points for green and red LEDs and for audio alarm.
- 5.9 Should be capable of providing unique tone sequences for various status conditions.
- 5.10 Security keys in the cards and Readers should be required to match.
- 5.11 Should have flash memory to allow future feature enhancements to be added in the field.
- 5.12 The Reader should meet the following environmental specifications.
 - 5.12.1 Operating temperature: -20⁰ C to 50⁰ C.
 - 5.12.2 Operating humidity: 5% to 95% relative humidity non-condensing.
 - 5.12.3 Weatherized design suitable to withstand harsh environments.
- 5.13 Should be capable of displaying messages. When a card is used, the display should show "Access granted " or if Access is denied, the reason of denial.

6. ACCESS CONTROL UNIT SPECIFICATIONS

Reader & door hardware shall be connected to the ACU, which shall be autonomous devices that have sufficient processing power & memory to perform the following task without referring back to a central system controller.

- 6.1 Accept programming commands from software or programming keypad.
- 6.2 Identify the person requesting Access.
- 6.3 Make the decision whether or not to allow Access.
- 6.4 Report activity, immediately or on demand.
- 6.5 The ACU will also be capable of monitoring additional input devices and switching additional output devices.

- 6.6** The ACU will be fitted with watchdog circuitry such that 'Processor lock-up' cannot occur.
- 6.7** The ACU should maintain an accurate clock (+ 1sec per month) and calendar.
- 6.8** PC- to-ACU communication will be possible via number of interfaces to allow for the most cost effective and reliable installation to be designed and implemented. Possible methods of communications will include RS232, RS485, TCP/IP and dialogue modems. Other methods of communications such as fiber optics, wireless LAN etc. will be supported provided that they introduce no changes to the protocols or timings of communication.
- 6.9** Counter facility to be provided to count number of people entering and leaving the restricted area.
- 6.10** Built in diagnostic feature should be provided to permit the testing of various parts of the hardware.
- 6.11** Built in SMPS with battery charger.
- 6.12** Should include supervised inputs for door contacts, motion detectors, glass break sensors and other alarm devices.

7. SOFTWARE

7.1 GENERAL DESCRIPTION :

The software provided as the part of the system shall be capable of being utilized with the workstation. The software shall be suitable for use on WINDOWS –98, 2000, & XP & SAP.

7.2 The primary functions of the software shall be to:

- Permit settings of ACUs.
- Permit programming of people, cards & Access rights.
- Provide on-demand reporting of events & system data.
- Provide automatic notification of selected alarm events.

- 7.3.** Should allow opening of all locks at time of emergency through an emergency card.
- 7.4.** Should allow data migration in different formats as SQL, XLS & txt.
- 7.5.** Should have Data bare backup recovery feature.
- 7.6.** Provision for Bulk card addition.

8. INSTALLATION, COMMISSIONING & TRAINING

- 8.1** The system shall be programmed with the information supplied.
- 8.2** The system must be fully working with all system parameters & card holder information.
- 8.3** It is the responsibility of the tenderer to ensure that all necessary information are obtained before commissioning of the system.
- 8.4** A copy of the final database of Access Control software shall be included at the final handover of the system.
- 8.5** The tenderer shall supply detailed drawings of the entire system.
- 8.6** Self training materials shall be available for the software user interface.

SPECIFICATION FOR INTEGRATED READER:

If an integrated reader is used in place of Card Reader and Control Unit the followings requirements should be met.

Able to retrofit with third party weigand controllers.

Minimum 15000 ID users.

Must read 13.56MHz Contact less Smart Card.

Network Communication via built – in TCP / IP

Built-in Web browser User Interface.

Should have External reader input port

Should be capable of both stand-alone and networked operation

Memory: 72MB Flash with battery backup +32MB RAM

Identification time must be less than 1.5secs

Must have Customizable Wiegand output any bit format

Serial and Ethernet (10 / 100 Base T)

Should support ISO14443-A cards / ISO45693

Operating Temperature; -10degree C to + 50 degree C

Humidity : 0 to 90 % RH

ANNEXURE- XII

PRICE SCHEDULE

To be submitted in the prescribed format furnished below:

Sl. No	Description of item	Qty (unit)	Supply cost										Unit Install-ation/ Erect-ion cost including Civil Works, if any	Total Install-ation/ Erect-ion cost including Civil Works	Total Amo-unt
			Unit Ex-works	Unit Packing & Forwarding	Unit freight charge	Unit Insur-ance	Unit land-ing cost at desti-nation exclud-ing S.T, E.D & ET	Unit E.D.	Unit CST/VAT	Unit Entry Tax.	Unit landing cost includ-ing all taxes & duties.	Total landing cost includ-ing all taxes & duties			
1	2	3	4	5	6	7	8	9	10	11	12 = (8+9+ 10 +11)	13 = (3X12)	14	15 = (3X14)	16

**Signature of Tenderer
Name, Designation & Seal.**

N.B:

1. The tender should fill up the schedule properly and in full. The tender will be rejected, if the schedule of price is submitted in incomplete form. No post tender correspondence will be entertained on break-up of prices. Also, the supplier should agree for delivery at site.
2. In case, where F&I components are not specifically indicated in this schedule, 5% of the ex-works price may be taken towards F&I components for the purpose of comparison of price.
3. The Tenderer shall certify in the price bid that MODVAT benefit, if any, has been fully passed on to the purchaser while quoting the tender price.
4. Conditional offers will not be acceptable.
5. The bidder is to clearly indicate the period up to which the tax holidays are available to them.
6. Price bid in any other format will not be acceptable and the offer will be liable for rejection.

