

**“TENDER”**

**FOR**

**DESIGNING, INSTALLATION, COMMISSIONING AND  
MAINTAINANCE OF ELECTRIC FENCE FOR COLVALE  
JAIL, INSPECTOR GENERAL OF PRISONS, GOA**

**Tender No: GEL/PRI/FEN-03**

**Date : 19<sup>th</sup> AUGUST 2013**

**TENDER NOTICE for “Designing, Installation, Commissioning and Maintenance of Electric Fence”**

Tender for Designing, Installation, Commissioning and Maintenance of Electric Fence, for Colvale Central Prisons are hereby invited by Goa Electronics Limited from vendors by the e-tendering process using the website [www.etender.goa.gov.in](http://www.etender.goa.gov.in). The tender documents can be downloaded from [www.etender.goa.gov.in](http://www.etender.goa.gov.in) or [www.goaelectronics.co.in](http://www.goaelectronics.co.in)

The tender document containing “Technical Bid(Qualification Criteria) – As per format given in Annexure A” and “Financial bid – As per format given in Annexure-B”, complete in all respect should be uploaded on [www.etender.goa.gov.in](http://www.etender.goa.gov.in) on or before 5<sup>th</sup> September 2013 up to 2.30 PM which will be opened on the same day in the presence of the tenderers or their representatives who may like to be present at that time. The sale of tender document will commence on the next date of publication of this tender notice and will close on the date specified on the tender document.

The vendors are required to get registered with [www.tenderwizard.com/GOA](http://www.tenderwizard.com/GOA). The vendor must have valid digital signature to submit the bid.

All the vendors should also give a brief resume about their firm/company. Their turnover and firms/ offices to which they are supplying quoted items, should also be mentioned.

**GEL** reserves the right to reject all or any of the tenders without assigning any reason thereof. The Tender which is conditional/ incomplete/ belated/ without earnest money, processing fees, tender fees will not be entertained.

Chief Executive Officer  
**Goa Electronics Limited**

## **Tender Document**

1	No. <b>GEL/PRI/FEN-03</b>	Date: <b>19-Aug-2013</b>
2	Name and Address of the party	
3	Tender Document for	Designing, Installation, Commissioning and Maintenance of Electric Fence, for Colvale Central Prisons
4	Earnest money	Rs.40000 /-
5	Cost of tender document	Rs.2,000/-
6	Cost of tender processing fee	Rs.1500/-
7	Last date for submission of tender.	5 <sup>th</sup> Sep, 2013 up to 2.30 PM.
8	The Technical Tender online will be opened on	5 <sup>th</sup> Sep, 2013 at 3.30 PM.
9	The date of opening of financial bid will be	To be Communicated later .
10	Last date for submission of written Queries for clarifications	26 <sup>th</sup> Aug, 2013
12	Contact Person	Mr. Milind Vengurlekar (Asst. Manager Hardware) Goa Electronics Limited milind@goelectronics.co.in Mob No. 9225905919 Ph No: 0832-2437220
13	Addressee and Address at which Tenders and Prebid Queries are to be submitted	To,  The Chief Executive Officer, Goa Electronics Limited, Mezzanine floor, Block 'B', EDC House, Dr.Dada Vaidya Road, Panaji, Goa-403001 email : <a href="mailto:revati@goelectronics.co.in">revati@goelectronics.co.in</a>

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## 1. INTRODUCTION

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The Inspector General of Prisons, Goa is in the process of commissioning the new jail coming up at Colvale. The Colvale jail would be equipped with all the modern amenities for the benefit of the inmates. The jail complex would be at par with other jails at the national level. Since the complete Prison complex is not yet completely ready, the IGP, Goa plans to commission a part of the Prisons immediately.

The Inspector General of Prisons proposes a comprehensive Security and Surveillance system for the Colvale Prisons. A prime requisite for a complete security system is the Electric Fence. Therefore GEL on behalf of Inspector General of Prisons, Goa is floating this tender inviting proposals from established firms for Design, Install, Commission and Maintain of Electric Fence.

Tenders are hereby invited from the well reputed firms/vendors as per Terms & Conditions mentioned at Annexure-‘C’

Tender documents can be downloaded from website <http://www.etender.goa.gov.in> or [www.goaelectronics.co.in](http://www.goaelectronics.co.in) as per the dates mentioned in the Tender Document. For participation in e-tender please visit our e-tender website <http://www.etender.goa.gov.in>. The bidders are expected to examine all instructions, forms, terms and other information in the tender documents. Failure to furnish all information required as mentioned in the tender documents or submission of a bid not substantially responsive to the tender documents in every respect will be at the bidder's risk and may result in rejection of the proposal and forfeiture of the bid

The technical bid and financial bid will be opened on two different dates. The technical bid will be opened on due date as mentioned in the tender document. The financial bid will be opened in respect of only those tenderers whose documents are found in order and whose items qualify technically. The requirements of bid are as mentioned in this document.

## **2. SCOPE OF WORK**

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The scope of work includes the supply & installation of power fence with all accessories & with battery backup to complete the work in all respects. Length of the fence is approx. 960 meters. The system should have a provision for further integration with other related gadgets like CCTV, focusing lights, public address system, etc.

### **2.1 Supply & Installation:**

Supply, erecting, provision of trays, earthing, testing, cable laying, trenching, inspection installation and commissioning will be in vendors scope.

### **2.2 Warranty:**

ON site Warranty for three years should be guaranteed and replacement of defective items post installation is to be borne by the vendor.

### **2.3 Maintenance Support**

Maintenance support has to be provided for minimum 3 years. Any complaint registered regarding non functioning of the system has to be attended within 4 hours and resolved within 8 hours.

### **2.4 Electrical Supply Provisioning**

Provision of electrical supply at the main gate/security control room will be with Public Works Department and rest all the works towards successful installation and commissioning will be in the vendors scope

### **2.5 Technical Support and Training:**

The vendor should provide onsite Technical Support Engineer for the initial three months after success full installation of the system. The technical engineer has to ensure training and capacity building of all the concerned Prison staff for the operation and maintenance of the Fence

### **3.ANNEXURES**

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#### **3.1.Annexure A: Technical Bid Format (Qualification Criteria)**

The technical bid should contain the following documents which must be attached with the technical bid. Submission of all the mentioned documents is mandatory and forms the Qualification criteria for the vendors:-

1. The earnest money amounting to Rs. 40,000/- (Rupees Forty Thousand only) in the form of Demand Draft from any Nationalized/scheduled bank in favour of Goa Electronics Limited, payable at Panaji must be scanned and uploaded to the e-tendering website within the period of tender application submission and the originals to be deposited in the office of the Goa Electronics Limited, on or before the tender submission date.
  - a. A Demand Draft of Rs. 2,000/- in drawn on any Nationalized / Scheduled Bank in favour of Goa Electronics Limited, payable at Panaji , Goa as Cost of tender documents
  - b. A Demand Draft for Rs.1500/- drawn on any Nationalized / Scheduled Bank in favour of Infotech Corporation of Goa Ltd. payable at Panaji – Goa as tender processing fee.

All the demand drafts shall be scanned and uploaded to the e-tendering website within the period of tender application submission.

All the three demand drafts towards EMD, Cost of Tender Document and the Tender processing fee shall be placed in a single envelope superscripted as 'Earnest Money Deposit, Cost of tender documents and tender processing fee' with the name of Tender and the due date of opening of the Tender mentioned and to be deposited in the office of the Goa Electronics Limited, on or before the tender submission date.

2. The person signing the tender shall be deemed that he has the authority to sign the tender on behalf of the said company. Letter of Authority to be attached.
3. Proof of Income Tax, Sales Tax, Service Tax and VAT Registration

- number (As applicable): Self attested copies to be attached.
4. The product profile of the company along with last 3 years' turnover, not less than Rs.50lakhs per year duly certified must be attached together with the list of reputed firms/offices to whom the company is supplying the tendered items. Audited Balance Sheet and Profit and Loss account (amount in Rupees) for last three years should be submitted.
  5. The bidder should be a Manufacturer or Authorized Distributer/ Dealer/ Channel Partner for Designing, Installation, Commissioning and Maintenance of Electric Fence. Valid Authorization certificate from the Manufacturer to be attached by bidder.
  6. The Manufacturer whom the Bidder represents should have an ISO 9002 certification for quality. Copy of Valid ISO Certification to be attached.
  7. The Bidder should have a local presence, fully functional service/ support centre in Goa with minimum 5 qualified support staff to provide quality service support or an undertaking needs to be submitted that the same would be set up within 15 day of receipt of order. Please attach the copy of any 2 of the following property tax bill/ Electricity bill / Telephone Bill / G.S.T. -C.S.T. registration / lease agreement etc. (Form – E5). Undertaking mentioning office address and No of Employees to be enclosed.
  8. Bidder should have executed atleast one order of Installing Electric Fence in the last 5years, with an order value of not less than of 80% of the quoted amount or 2 orders each of 50% value of the quoted amount. Bidder to attach valid completion certificate and Purchase orders stating the cost of the project clearly.
  9. The bidder should be registered as a company in India as per Company Act 1956 and should have been in operation for a period of at least 3 years. Certificate of Incorporation to be submitted. PAN No. of the company/firm, TIN No. (As applicable): Self attested copies to be attached.



10. The bidder should not have any of their contracts terminated or blacklisted in the last three years by any State or Central Government / PSU/ BFSI/ Private Sector. (Affidavit duly notarized to be submitted).

### **3.2. Annexure-B: Financial Bid Format**

<b>S.No.</b>	<b>Item</b>	<b>Qty</b>	<b>Amount</b>
<b>1</b>	Designing, Installation, Commissioning and Maintenance of Electric Fence, for Colvale, Central Prisons	960 mtrs	

Rupees(In words) : \_\_\_\_\_  
\_\_\_\_\_ only/-

#### **Terms and Conditions:-**

1. Rates mentioned should be inclusive of all taxes, insurance & transportation, excise, freight to the location and installation / maintenance and all charges towards execution of all activities as per mentioned scope of work
2. Rates mentioned should include cost of providing maintenance support and warranty for 3 years.
3. The mentioned approximate quantity may vary. All payments would be made only towards actual Mtrs Covered.
4. The bidders must use only the format provided in the e-tender website (Annexure-B) for submitting the financials. Any other formats/ forms will not be accepted and such tenders will be rejected.
5. The bidder must provide the Commercial Proposal in e-tender mode only. Hardcopies of the Commercial proposals are not entertained.
6. The rates should be quoted in figures as well as in words, on the form attached at Annexure-'B' and duly signed and stamped by the authorized person.
7. On successful placement of the order for installation of the equipment at the Central Jail – Colvale, the vendor may please intimate us before shipping or transporting the material to Central jail – Colvale so that the actual length and requirement of the equipment will be intimated

### **3.3. Annexure-C: Terms & Conditions**

1	Tender documents should be downloaded from <a href="http://www.etender.goa.gov.in">http://www.etender.goa.gov.in</a> or <a href="http://www.goaelectronics.co.in">www.goaelectronics.co.in</a> as per the dates mentioned in the Tender Document.
2	The vendor should use the electronic mode of tendering using the website <a href="http://www.etender.goa.gov.in">www.etender.goa.gov.in</a> to submit his best possible quotes for the items given therein.
3	Late submission will not be entertained and will not be permitted by the e-Tendering System.
4	Last minute submission should be avoided. As such Goa Electronics Limited will not be responsible for any failures in submission of bids.
5	Incomplete or conditional bids will be summarily rejected.
6	The vendors are expected to examine all instructions, forms, terms and other information in the tender documents.
7	Tender shall be uploaded separately through the e-Tendering System under Two Bid System viz Technical bid(Qualification Criteria) & Financial bid, as per the prescribed formats only. Failure to comply with these requirements may result in the bid being rejected.
8	The tender fees shall not be refunded even if the bid is not submitted.
10	The tender should be uploaded by 5 <sup>th</sup> Sep. 2013 upto 2.30 PM. Along with the scanned copy of the DD towards EMD, Cost of Tender Document and Tender Processing Fee. The tenders without earnest money will not be entertained and shall be rejected straightway. The rates should be quoted in figures as well as in words.
11	Goa Electronics Limited will not accept delivery of proposal in any manner other than e-Tendering process. Proposal delivered in any other manner shall be treated as defective, invalid and rejected.

12	If any bidder does not qualify in technical evaluation as mentioned in the Technical Bid(Qualification Criteria) Format at Annexure-A, the Commercial Proposal shall not be opened.
13	The price should not be mentioned in the Technical bid in any form or manner. In case the prices are mentioned in the technical bid, the offer will be liable for rejection.
14	The technical bid and financial bid will be opened on two different dates. The technical bid will be opened on due date as mentioned in the tender document.
15	The financial bid will be opened in respect of only those tenderers whose documents submitted as per Annexure-A are found in order and who qualify technically. The price comparisons in deciding lowest quotation for the complete value of all the items shall be made only over the rates quoted inclusive of all taxes. The lowest evaluated valid quotation will be selected.
16	<p>The earnest money amounting to Rs. 40,000/- (Rupees Forty Thousand only) in the form of Demand Draft from any Nationalized/scheduled bank in favour of Goa Electronics Limited, payable at Panaji must be scanned and uploaded to the e-tendering website within the period of tender application submission and the originals to be deposited in the office of the Goa Electronics Limited on or before the tender submission date.</p> <p>a. A Demand Draft of Rs. 2,000/- in drawn on any Nationalized / Scheduled Bank in favour of Goa Electronics Limited payable at Panaji , Goa as Cost of tender documents</p> <p>b. A Demand Draft for Rs.1500/- drawn on any Nationalized / Scheduled Bank in favour of Infotech Corporation of Goa Ltd. payable at Panaji – Goa as tender processing fee.</p> <p>All the demand drafts shall be scanned and uploaded to the e-tendering website within the period of tender application submission.</p>

17	Hard copy of the Technical Bid to be scanned and uploaded to the e-tendering website
18	The successful vendor shall submit bank guarantee equal to 10% of the total cost as security deposit. On completion of the Project Period, the Security Deposit would be refunded to the vendor. However, Goa Electronics Limited shall be at liberty to enforce such bank guarantee in case the supplier firm fails to provide the services as per requirement.
19	The EMD of successful tenderer may be adjusted towards security till the completion of the Project and will be refunded without any interest. The EMD of unsuccessful tenderer will be returned after completion of tender process.
20	The payment will be released as per below schedule ; 1. 10% Mobilization Advance on signing of Contract 2. 60 % on installation and successful commissioning of the Electric Fence 3. 10% on completion of first year of Maintenance support 4. 10% on completion of second year Maintenance support 5. 10% on completion of third year Maintenance support Payment would be made within 30 days of raising the invoice. All payments would be made after deductions calculated based on any penalties if applicable
21	If the tender opening day happens to be holiday, the same will be accepted and opened on the next working day.
22	The make / brand of the quoted items must be mentioned.
23	The person signing the tender form (or any other document forming part of the contract) on behalf of another, shall be deemed to warrant that he has the authority to sign such documents and if, on inquiry it appears that the person so signing had no authority to do so, the purchaser, may without prejudice to other civil and criminal remedies against the contract, hold the signatory liable for all costs and damages and forfeit the earnest money.
24	The attempt on the part of the tenderer, to negotiate directly or indirectly, with the authority to whom the tender is being submitted or with the tender accepting authority, before the finalization of tenders, will make tenderer liable for exclusion from the consideration of his/her tender.

25	Goa Electronics Limited reserves the right to reject all or any tender without assigning any reason.
26	Any dispute, arising out of this contract will be under the jurisdiction of _____ Court.
27	The approximate quantity along with minimum specifications required have been mentioned at Annexure-D. However, these are indicative figures and variations may happen as per detailed assessment/ requirements.

28	<p><b>Penalty</b></p> <p>An uptime 99.99% is expected from the vendor. User may make a complaint about the service through letter, fax, email, phone, SMS or any other means as the user thinks fit or convenient to the service center of vendor. Vendor shall provide contact numbers/ e-mail IDs clearly on stickers to be displayed on the Laptops and Desktops</p> <p>On receiving complaint the Vendor shall respond/ repair/ resolve or provide required services within the period as stated below.</p> <table border="1"> <thead> <tr> <th>Description</th> <th>Response Period</th> <th>Resolution period</th> <th>Penalty for Downtime</th> </tr> </thead> <tbody> <tr> <td>Calls registered for non functionality of any component of the Electric Fence</td> <td>4 hrs</td> <td>8 hrs</td> <td>@2.5% of total contract value for delay of every 2 hrs subsequent to the permitted Resolution period</td> </tr> </tbody> </table> <p>If the successful bidder fails to execute the project as per the Terms and Conditions of the agreement executed, a penalty at the rate of maximum 10% of total contract value shall be levied on the contractor, which shall be recovered from the security deposit or from the payment to be made to the contractor and the contract may be terminated at the risk and cost of the contractor. However, the decision regarding the quantum of penalty shall vest with Goa Electronics Limited.</p>	Description	Response Period	Resolution period	Penalty for Downtime	Calls registered for non functionality of any component of the Electric Fence	4 hrs	8 hrs	@2.5% of total contract value for delay of every 2 hrs subsequent to the permitted Resolution period
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Calls registered for non functionality of any component of the Electric Fence	4 hrs	8 hrs	@2.5% of total contract value for delay of every 2 hrs subsequent to the permitted Resolution period						
29	A detailed contract will be signed with the successful bidder within 15 days of issue of work order								

### **3.4 Annexure-D: Minimum Specifications**

1. The power-Fence being offered by the bidder should have the additional feature of Day-Night function. (In the day-time the Power-Fence shall operate on only Alarm mode & Low Voltage Pulse. However in the night, the same will operate on High Voltage Electric Pulse with Alarming.).
2. The system should also have compatibility for integration with other systems like CCTV, Focus lights or any other technical security gadgets to be installed, if required in future.
3. The system should have capability to run on battery back-up and Battery back-up for minimum 6-8 hrs to be provided by the vendor. This includes guarantee for battery pack.
4. The system should have automatic cut-off.
5. The system should have zone wise alarm with LED at every zone in addition to the central control panel.

#### **6. Electric – Fence**

<b>Sr. No.</b>	<b>Description</b>	<b>Quantity</b>
1	No. Of Zones	06 Nos.
2.	Fence Output Voltage	4-10 KV
3.	Output Power	2.5 Joules
4.	Alarm Voltage	2.3 to 4 KV Selectable
5.	Pulse Count	1.2 or 3 Missing Pulses Selectable
6.	Indicators Per Zone	Alarm LED, Fence Monitor LED
7.	Control Input	12 VDC
8.	Alarm Output	Normally Closed Dry Contact
9.	Power Requirement	24 VDC or 110/230V AC
10.	Enclosure	External IP 56
11.	Size	500*400*150mm
12.	Total Length	Approximately 960 Mtrs.

Electric Fence by adding 4-10KV voltage alternating current pulse with a frequency of 1.2-1.5 Hz. Fencing height will be 1.2 Mtrs with 12 lines of wire conforming to IEC 60335/2/76 (International-European standards or equivalent & IS-303/2/76 (Indian) standards) on the existing fence-system comprising of Control Unit, Key pad for zones programming & key switch.

#### **7. Fence Posts:**

All the fence posts used in the electrified security fence system shall be hot dipped galvanized to BS 729 or equivalent standards.

The corner or end posts shall be of 25\*25\*5 mm in size and the intermediate posts shall be of 25\*25\*2 mm. The length for both of these posts shall be either 1.2 meter for wall top application. In 1.2 meter posts there should be 11 holes for fixing the hooks and insulators. The distance between the two adjacent holes should be maintained as 95mm.

#### **8. Fence Wires:**

All the electrified security fence wires shall be 2.5mm High tensile steel galvanized to BS443 or equivalent Indian Standards. The wires shall be placed at distance of 95mm apart. All the fence wire shall be strained to 40-50 Kg between the end posts. The wire shall be strong enough to withstand extreme weather conditions.