

# **JHARKHAND ZOO AUTHORITY**

**BHAGAWAN BIRSA BIOLOGICAL PARK, ORMANJHI, RANCHI**

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## **Short Term Tender Notice**

**(For establishing **RFID Flap Barriers**)**

**Notice No. 02/2020**

Sealed tenders are invited from reputed and Authorized Firms/ Agencies/ Vendors for establishing **RFID Flap Barriers** in Bhagawan Birsa Biological Park during the year 2020. Tender document with details of technical specifications, scope of work, and terms and conditions can be obtained from the office of the Director, Bhagawan Birsa Biological Park on payment of application fee of Rs. 1000/- by cash or DD from any scheduled/nationalized bank drawn in favour of Member Secretary, Jharkhand Zoo Authority, Ranchi. Tender documents can also be downloaded from the website [www.forest.jharkhand.gov.in](http://www.forest.jharkhand.gov.in) and the application fee can be paid in the form of DD while submitting the tender. The last date of receipt of the tenders is 12.02.20 by 3.00 PM. The technical bids will be opened on 12.02.20 at 3.30 pm in the office of the Director, Bhagawan Birsa Biological Park. The financial bids will be opened on the same day at the same venue after technical evaluation.

### **Objectives :-**

1. To establish fully automatic token based 5 lane RFID Electronic gates/ Flap Barriers
2. To provide quick hassle free entry/exit to the visitors of the zoo
3. To prevent unauthorized entry of the visitors in the zoo
4. To collect data automatically about the number of visitors, both adults and children entered/ exited at any point of time

### **Requirements and Terms and conditions of the Tender:**

1. The bids should be submitted along with the Tender application form in the prescribed format in Form A. The bids shall be given separately in two sealed envelopes, one containing the **Technical Bid** and the other containing **Financial Bid**. Both the envelopes should be superscribed as such. The envelopes containing technical bid and financial bids should be put in a bigger sealed envelope, superscribed with words **“Tender for Establishing RFID Flap Barriers in Bhagwan Birsa Biological Park”**.
2. General requirements for the project, Eligibility Criteria, Scope of Work, Technical specifications, Bill of materials and quantities required, etc are given in Annexure-1
3. The technical bids shall contain following information along with supportive documents:-
  - i. Tenderer's complete identity and address, and proof of Address.

- ii. A photocopy of GST registration certificate (As applicable) and up-to-date clearance certificate from the concerned department.
- iii. Money Receipt/DD of Rs. 1000/ towards application Fee of tender document.
- iv. EMD: A Bank Draft from any Nationalized / Scheduled Bank for an amount of Rs.40000/- made in favour of the Member Secretary, Jharkhand Zoo Authority.
- v. License/Permission granted by the competent authority to the bidding firm/agency to run the business related to the tender.
- vi. If the tenderer is other than the manufacturer of the components of the system, then the tenderer should be an authorized agent of that component of the system and should produce such authorisation given by the manufacturer
- vii. Proof of Experience for a minimum period of 3 years in the field
- viii. The letter of Undertaking that the tenderer is not black listed, as given in **Form-B**
- ix. Copy of PAN
- x. Copies of audited Balance sheets of the last 3 years.
- xi. Detailed Technical Specifications of the Flap barriers and other components
- xii. Certifications of OEM and the equipment offered as specified in Annexure -1
- xiii. Signed tender document as a token of agreeing to all the conditions. (Every page should be signed with date & stamp).

4. The financial bid shall be given in **Form-C** and the amount quoted shall be inclusive of all taxes for the complete job described in the scope of work.
5. The Financial Bids of only those tenders who would technically qualify would be opened.
6. After conclusion of tender process, the successful tenderer will be given work order for establishing RFID based Electronic Gate/Flap Barrier system at Bhagavan Birsa Biological Park, Ormanjhi, Ranchi with a reasonable time period within which the job should be completed as per the rates decided, and as per the requirement of the park.
7. The successful tenderer shall enter into an agreement with the Jharkhand Zoo Authority for doing the work as per the work order within a period of 4 weeks, and shall deposit a security amount/ performance guarantee of 10% of the value of the supply order, in the form of a DD or Bank Guarantee drawn/made in favour of Member Secretary, Jharkhand Zoo Authority failing which the EMD will be forfeited.
8. The EMD of the successful tenderers may be adjusted towards security deposit, which will be refunded to him after successful completion of the job. If the successful bidder fails to complete the work assigned within the time limit agreed, the security deposit would be forfeited.
9. The EMD of the unsuccessful bidders would be refunded to them after the finalization of tender.

10. The contractor should submit the bills of the work done to the tendering authority and payment will be made only after completion of job and successful testing for hassle free entry/exit of the visitors. Payment would not be made for any defective supply.
11. The successful tenderer shall not have any right to sub tender.
12. If any information provided by the tenderer is found to be false at any stage subsequently (i.e after giving tender), his tender or the work order would be cancelled and the EMD or the security deposit, whichever is applicable, would be forfeited.
13. Any postal or other delay, resulting in non-receipt of tender in time will not affect the tendering process and such tenders would not be evaluated.
14. The tender shall be unconditional. Conditional tender would not be evaluated.
15. Any dispute arising out of this tender would be referred to the Chief Conservator of Forests and Director, Bhagwan Birsa Biological Park, Ranchi for decision which will be binding on all parties.
16. The competent Court at Ranchi would have Jurisdiction for any legal issue.
17. Taxes, required to be deducted at source, would be deducted from the payment bills.
18. The tender inviting authority reserves the right to reject any or all tenders without assigning any reason.
19. Submission of Tender: Tenders complete in all respects shall be submitted within the time period given in the tender notice, in the office of the Director, Bhagawan Birsa Biological Park, Ormanjhi, Ranchi, and no tenders will be accepted after that.
20. Any correction or cutting in the tender including price bid shall be authenticated by full signature of the tenderer.

Sd/-

CCF & Director,  
Bhagavan Birsa Biological Park,  
Ormanjhi, Ranchi.

## Form -A

### **Tender Application**

To,

**Chief Conservator of Forests and Director,  
Bhagwan Birsa Biological Park, Ormanjhi, Ranchi.**

**Sub. :-** **Tender for establishing RFID Flap Barriers.**

**Ref. :-** Short Term Tender Notice no. 2 /2020 Published in news paper on 28.1.20

Sir,

With reference to the above, I hereby submit my tender along with necessary documents for the purpose of technical approval, details of which are as follows.

<b>Sl. No.</b>	<b>Particulars</b>	<b>Information provided by Tenderer</b>
1.	Name of Tenderer & Address.	
2.	Address Proof.	
3.	Money receipt or DD towards application fee	
4.	Details of EMD.	
5.	Copy of certificate/ Licence/ permission given by competent authority to run the concerned business.	
6.	Proof of experience in the field	
7.	Authorization from the OEM, if tenderer is not OEM	
8.	GST number and upto date GST clearance from concerned department.	
9.	Copy of PAN	
10.	Audited Balance Sheets of last three years.	
11.	Letter of undertaking that the tenderer is not black listed (Form-B).	
12.	Technical Specifications of the components of the system including brands.	
13.	Certifications of OEM as well as the Product offered	
14.	Signed Tender Document	

I Submit that financial bids have been made in the prescribed forms as per the tender. I have understood the terms and conditions of the tender and hereby agree to follow the same for establishing RFID Flap Barriers in Bhagwan Birsa Biological Park.

Signature of Tenderer  
Telephone no. :  
Seal :

**FORM-B**  
**UNDERTAKING**

**Sub. : Tender for establishing RFID Flap Barriers**

I am a tenderer for establishing RFID Flap Barriers in pursuance of your office tender notice no. 2/2020.

I have read and understood the terms and conditions for this tender. The information provided by me is true. I declare that no criminal proceeding is pending against me in a court of law and I or my firm/agency is not blacklisted.

I undertake to supply the requisite items as per terms and conditions if I am ordered for this.

Signature of Tenderer

Address :

Telephone no. :

Seal :

## Form-C

### Financial Bid

#### Tender Notice No. 2/2020

Item	QTY	Units	Unit Price Rs.	Total Price Rs.	GST	Total (Rs.)
Token Flap Barrier Single Core Machine	2	No.				
Token Flap Barrier Double Core Machine	4	No.				
Work Station along with Software	1	No.				
Online UPS 5 KV for the Barrier System	1	No.				
RFID tokens	5000	No.				
Accessories, if any		No.				
		No.				
Installation Charges						
<b>Total</b>						
<b>Total Amount in Words:</b>						

**Note: The bidder may quote the rate for the entire system including all the Machinery, Accessories and installation as such in the total amount column given above, instead of component wise, at his discretion.**

Date:

Signature of the Tenderer

Name:

Seal:

## **Annexure-1**

### **Bhagawan Birsa Biological Park, Ormanjhi, Ranchi Tender Notice No. 2/2020**

#### **1. Eligibility Criteria:-**

- i. Bidder should be an OEM or their authorized partner/Dealer, and should have been in operation in the relevant subject for period of at least 3 years as on last date of bid submission. The Bidder should submit relevant document along with tender specific Manufacturer Authorization Letter in case of dealer or partner for the Flap Barriers.
- ii. Bidder shall be single point of contact for Bhagwan Birsa Biological Park. No outsourcing of the contract to third party is allowed at any point of the contract period.
- iii. The average annual turnover of bidder during last 3 financial years i.e. 2016-2017 and 2017-2018 and 2018-19 shall not be less than Rs. 50 Lakh, and must submit attested photocopies of Audited balance sheet/annual reports as proof of evidence.
- iv. The bidder should be GST Registered.
- v. The bidder should submit data sheet with technical bid of the Core product i.e Flap Barrier indicating technical compliance, mentioning make and model. Complete Grid based entrance Management system shall be quoted of Single OEM.
- vi. Bidder should have current certifications from ISO for 2019 for OEM and System integrator & installer for the product.(Documentary evidence to be submitted).
- vii. Bidder should provide CE, FCC and ROHS Certificate of the Flap Barrier.
- viii. Bidder should either have a local office or should set up a local office at Ranchi, for providing service on call, if selected and accordingly should submit a proof of office or provide an undertaking along with the technical bid, as the case may be.

## 2. Scope of Work:-

- i. Supply and Installation of token based RFID Flap Barrier System to provide 5 electronic gates/passages consisting of 2 single core and 4 double core Flap Barriers including sensors and readers, One work station, 1 number of customized software, 1 Online UPS (5KV), 5000 RFID tokens, all other necessary equipment and civil works, Cables etc all complete work, **on Turn Key Basis**.
- ii. All equipments supplied, installed -both hardware and software, shall have Warranty and defect liability period of 2 years from the date of handing over of the Flap Barrier System. The defects if any noticed during the period shall be rectified/ defective parts replaced free of cost on call within 24 hours.
- iii. The RFID tokens should have unique number and should be in multiple colors as required by the tenderer.
- iv. The RFID Flap barrier system should ensure hassle free entry/exit for the visitors visiting the Zoo especially at weekends and festivals keeping in view the fact that large number of visitors come in crowds on those days
- v. Power supply will be provided by Bhagawan Birsa Biological Park.
- vi. The bidder has to train the staff of the Bhagawan Birsa Biological park inn operating both hardware and software supplied.

## 3. Technical Specifications:

- 3.1 Flap Barrier Machines and other equipment should be manufacturered by OEM and reputed.
- 3.2 Assembled as well as cheap china made machinery/equipment are not acceptable.
- 3.3 The flap barriers should be CE, FCC, ROHS certified. The proof of certification to be submiited.

**3.4 Specifications of the equipment:** The following are the required specifications of the various machinery/equipment for the flop barrier system to be installed. **However better specifications than those mentioned below are acceptable.**

### i. Single Core Machine:

Parameter	Specification
Passage Width	550mm
Throughput Rate	35 p/m
Token capacity	16000
Power Supply	100~240 V AC
Motor Voltage	24 V DC
Max power Consumption	35W
Frequency	50~60 Hz
Protection Level	IP 44
Working Temperature	-25°C~+70°C
Electro-magnetic drive	DC
Dimension	1200x280x960mm
Net Weight	80 kg

Certifications	CE, FCC, ROHS
<b>Other Parameters</b>	
1	Heavy duty stainless steel Flap Barrier
2	LED Direction indicators at each side
3	Selectable operating modes- single direction, bidirection,
	always free or always locked
4	Automatic reset of barrier gate after each passage
5	Adjustable time out delay
6	Double anti-clipping function, photocell anti-clipping and mechanical anti-clipping
7	Integration support with any RFID/Biometric Reader
	through NO input
8	Top quality AISI 304 grade SS construction

## ii. Dual Core Machine:

Parameter	Specification
Passage Width	550mm
Throughput Rate	35 p/m
Token capacity	16000
Power Supply	100~240 V AC
Motor Voltage	24 V DC
Max power Consumption	35W
Frequency	50~60 Hz
Protection Level	IP 44
Working Temperature	-25°C~+70°C
Electro-magnetic drive	DC
Dimension	1200x280x960mm
Net Weight	70 kg
Certifications	CE, FCC, ROHS
<b>Other Parameters</b>	
1	Heavy duty stainless steel Flap Barrier
2	LED Direction indicators at each side
3	Selectable operating modes- single direction, bidirection,
	always free or always locked
4	Automatic reset of barrier gate after each passage
5	Adjustable time out delay
6	Double anti-clipping function, photocell anti-clipping and mechanical anti-clipping
7	Integration support with any RFID/biometric Reader
	through NO input
8	Top quality AISI 304 grade SS construction

### **iii. Work Station:**

<b>Brand : (HP/Lenevo/Dell)</b>	<b>Specification</b>
	Intel I5 processor
	1TB HDD
	8GB RAM
	2Gb Graphic card
	Server: @1.25 core

### **iv. RFID Tokens/Coins**

<b>Number Required: 15000</b>	<b>Specification</b>
	Should be equipped to be read/ sensed instantly on all machines
	Multi colored (Red, Green, Yellow and Blue)
	Unique numbered

### **v. Online UPS (5KV):**

It should be from reputed international brands and should be capable of providing atleast 1 hour back up to the Flap Barrier System. Local assembled UPS is not allowed.

4. The Flap Barrier System should have the following features.

- i. All Flap Barrier machines have to be equipped with RFID CARD readers & collectors.
- ii. All the machines have to be in TCP/IP Protocol.
- iii. The Flap Barrier machines should have WAY MODE LED Indicators.
- iv. The Software Should support Online Data Transfer, and storage in WEB/CLOUD.
- v. All the Barrier machines have to be connected to the work Station placed at Ticket Counter or at any suitable place as needed by the client.
- vi. RFID tokens should work in any of the Flap barrier machines.
- vii. The Barrier machines should have touch sensor as well as a slot for dropping token in to a token collector, at the entry as well as exit side, so that the management can use the system for one way or both ways as per the need and convenience.
- viii. **All barrier machines should also have rejected token collector for invalid tokens at the entry side, like those of metro flap barriers.**

5. The software should have the following features:

- a. Licensed, Customisable and User friendly
- b. RDBMS (relational data base management system) compatibility
- c. It should be able to handle different entry ticket rates for Adults, Children, and Groups, and provide information/data on the number of tokens issued, number of children tokens, number of adult tokens, number of group tokens, the number of

visitors entered, the number of visitors exited, the amount of cash collected at any point of time instantly.

- d. Data analysis and Daily/weekly/Monthly/Yearly reports to be generated
- e. Good security and network security features
- f. Browser based compatibility
- g. Audit logs
- h. Generate alert reports like (Invalid/Already used/Error details)
- i. Scheduled backup
- j. Gate open and close schedule creation from admin console

6. Bill of Quantities Required:

Item	QTY	Units
Token Flap Barrier Single Core Machine	2	No.
Token Flap Barrier Double Core Machine	3	No.
Work Station along with software	1	No.
Online UPS	1	No.
RFID tokens	5000	No.
Accessories, if any		No.
Installation and training of staff	-	-