

DDCA
Notice Inviting Tenders/Press Notice

Delhi & District Cricket Association (DDCA) invites sealed request for proposal (RFP) from eligible Contractors for **“Conceptualize, Plan, Design, Supply, Installation, Testing and Commissioning of Automatic Ticketing Access Control Systems for sportspersons/players/Visitors, stake holders and spectators as per prescribed standards at Arun Jaitley Stadium New Delhi”** EMD: **Rs.13,00,000/-**. The Bid forms and other details can be obtained from the website www.ddca.in

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Name of work: -“**Conceptualize, Plan, Design, Supply, Installation, Testing and Commissioning of Automatic Ticketing Access Control Systems for sportspersons/players/Visitors, stake holders and spectators as per prescribed standards at Arun Jaitley Stadium New Delhi**”

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Approved by

Tender & Purchase Committee, DDCA

NOTICE INVITING BIDS

Name of work: “Conceptualize, Plan, Design, Supply, Installation, Testing and Commissioning of Automatic Ticketing Access Control Systems for sportspersons/players/Visitors, stake holders and spectators as per prescribed standards at Arun Jaitley Stadium New Delhi”

Earnest Money (EMD) : Rs.13,00,000/-

(EMD to be deposited only by way of a demand draft/ Bank Guarantee from a nationalized or scheduled bank in favour of DDCA Arun Jaitley Stadium, New Delhi)

Time Allowed :Two Months

Certified that this Tender Document contains -----pages as numbered in chronological order (Excluding File Cover)

(Signature)
Tender & Purchase Committee, DDCA

DELHI DISTRICT CRICKET ASSOCIATION
ARUN JAITLEY STADIUM, NEW DELHI-110002

1. INVITATION FOR REQUEST FOR PROPOSAL(RFP)

Delhi & District Cricket Association (DDCA) invites sealed request for proposal (RFP) from reputed Eligible Contractors for **“Conceptualize, Plan, Design, Supply, Installation, Testing and Commissioning of Automatic Ticketing Access Control Systems for sportspersons/players/Visitors , stake holders and spectators as per prescribed standards at Arun Jaitley Stadium New Delhi** “in order to provide world class back end utility services and enhanced amenities to the sportspersons/players/Visitors, stake holders and spectators in view Of Upcoming Men’s ODI World Cup 2023.

All bids must conform to the guidelines set out in the RFP.

The RFP is invited in two bid system from competent company / Firm / Agency, who satisfy the eligibility criteria enumerated in the tender document (RFP). Interested Agencies may download the tender documents from the DDCA website <https://ddca.in/ddca-document/tender>.

The request for proposal (RFP) is being called to assess and approve the proposed ‘Concept, design and specifications’ submitted by the applicants. After assessment of the proposal by the competent authority / selection committee, Price Bid of only the approved bidders shall be opened and the work will be awarded as per suitable conditions.

Last date for submission of RFP is 28th July 2023 Upto 03:00 PM sealed envelope marked to the captioned address containing RFP may be dropped in drop box specially kept for subject RFP mentioning “Request for Proposal (RFP) for **“Conceptualize, Plan, Design, Supply, Installation, Testing and Commissioning Ticketing Access Control Systems for sportspersons/players/Visitors, stake holders and spectators as per prescribed standards at Arun Jaitley Stadium New Delhi** “on the top cover at following address:

Delhi & District Cricket Association (DDCA)
Arun Jaitley Stadium
Feroz Shah KotlaGround,
New Delhi-110002

The Bid must be submitted in the following manner:

- **1st sealed Envelope containing EMD duly mentioned as EMD on top of it.**
- **2nd sealed Envelope containing Eligibility Documents and Technical evaluation documents (as per requirements of clause 9 & 10 of RFP), full RFP with compliance to technical parameters duly filled up by bidder, Appendix-1 proof of site visit and detailed un-priced BOQ duly super scribed as Tech bid on top of it.**

- 3rd sealed Envelope containing BOQ with price in the prescribed format as per Annexure-B duly super scribed as Price Bid on top of it.
- All the above envelopes must be kept in single big size envelope and submitted in tender drop box of DDCA

NOTE: THE BIDDERS SHALL ENSURE THAT THE BID MUST BE SUBMITTED IN THE MANNER AS MENTIONED ABOVE. ANY VIOLATION SHALL RENDER THE BID LIABLE TO BE REJECTED

Sl. No.	Description	Date	Time
1.	-Publication of Tender Document on DDCA website -Publication of Advertisement in Newspapers	21 st July 2023 22 nd July 2023	11:00 AM -
2.	Tender Download Start Date	21 st July 2023	11:00 AM
3.	Pre-Bid Meeting Date & Time	24 th July 2023	11:00 AM
4.	Bid Submission Start Date	24 th July 2023	11:00 AM
5.	Bid Submission End date	28 th July 2023	03:00 PM
6.	Bid Opening Date	28 th July 2023	04:00 PM

DDCA reserves the right to accept or reject any / all RFP without assigning any reason whatsoever.

2. Background

- Arun Jaitley Stadium is an International Cricket Stadium.
- There is a requirement to **“Conceptualize, Plan, Design, Supply, Installation, Testing and Commissioning of Automatic Ticketing Access Control Systems for sportspersons/players/Visitors, stake holders and spectators as per prescribed standards at Arun Jaitley Stadium New Delhi** “in order to provide world class back end utility services and enhanced amenities to the sportspersons/ players/Visitors, stake holders and spectators in view Of Upcoming Men’s ODI World Cup.

3. Aims and objectives

- Board of Control for Cricket in India (BCCI) is going to host the 13th Men’s ODI World cup 2023 through October and November 2023. The event being of International importance as it is not only live telecasted, but the sportspersons/players/Visitors from India and different countries of the world will participate in the event in thus stadium apart from additional pressure of spectators who wish to witness the matches in the stadium. The spectators also include VIPs/VVIPs for such an international event of world fame. DDCA is likely to host some of the matches of the 13th Men’s ODI World cup 2023.
- Thus there is urgent and immediate technical need to **“Conceptualize, Plan, Design, Supply, Installation, Testing and Commissioning of Automatic**

Ticketing Access Control Systems for sportspersons/players/Visitors, stake holders and spectators as per prescribed standards at Arun Jaitley Stadium New Delhi “in order to provide world class back end utility services and enhanced amenities to the sportspersons/ players/Visitors, stake holders and spectators in view Of Upcoming Men’s ODI World Cup.

- c) The submission of RFP does not guarantee the allotment of the contract. DDCA reserves the right to cancel the RFP and /or contract without assigning any reason and no damages or claims shall be payable by DDCA on account of this cancellation.

4. Description of Work

“Conceptualize, Plan, Design, Supply, Installation, Testing and Commissioning of Automatic Ticketing Access Control Systems for sportspersons/players/Visitors, stake holders and spectators as per prescribed standards at Arun Jaitley Stadium New Delhi “in order to provide world class back end utility services and enhanced amenities to the sportspersons/ players/Visitors, stake holders and spectators in view Of Upcoming Men’s ODI World Cup.

5. Basic Scope of work and services

The scope of work and services is broadly defined hereunder. However it shall be unambiguous responsibility of the successful bidder to provide all that is necessary to complete the installation in all respects so as to meet the overall objective of the project ,following prudent and established engineering practices, conforming to applicable standards / norms and as directed by the engineer-in charge / Consultant designated by DDCA.

- a) To conduct site survey before the submission of bids (Technical and commercial) , collect essential and required data, understand the installation requirements and develop preliminary scheme, Plan, Design, SLD, BOQ etc to achieve overall objective of the project in most optimum manner and with best engineering practices. The bidder must get **Appendix-1**(Proof of site inspection prior to bid submission) duly signed by the PMC(Elect)/CE (E), DDCA. The Appendix -1 needs to be submitted along with the Technical Bid failing which the Bid shall be treated as incomplete and same shall be rejected without any further correspondence with the bidder.

Note: The bidder shall submit the details as above along with the Technical part of the Bid which shall form the basis of technical evaluation of the proposal; bids submitted without these details shall be reckoned as non-responsive and summarily be rejected.

- b) Detailed project engineering for review and approval of engineer in charge / Consultant within specified period after the award of work, such as design, drawings

(General arrangement, SLD, Schematics, etc.), Design calculations, Technical submittals, Standard Product Technical Data Sheet (TDS) Of The Makes/Models Proposed, Layout and Arrangement detailing etc.

- c) Five years operation during any format of cricket matches & important events of DDCA and five years AMC after the warranty/Guarantee period over is also included in the scope of this RFP. The operation of the installation shall commence from the date of commissioning and handing over of the installation to DDCA but during the Cricket Matches held in the stadium whenever required by DDCA and the AMC shall commence after the warranty/Guarantee period is over.

d) **DESIGN CRITERIA & SYSTEM REQUIREMENT :**

The system should be state-of-the-art Ticketing Control systems and designed with best engineering practices in order to achieve overall aim and objective of the project in most optimum manner. The proposal should be based on well prescribed criteria and detailed survey carried out by team of experts.

e) **Scope & Brief Specifications of The Work Are As Below:**

Ticketing Access control system for Arun Jaitley stadium

OVERVIEW OF FACILITY

The Arun Jaitley Stadium is a cricket stadium owned and operated by the Delhi & District Cricket Association (DDCA) and located on Bahadur Shah Zafar Marg, New Delhi. It was established in 1883 as the Feroz Shah Kotla Stadium, and named after the nearby Kotla fort. It is the second oldest functional international cricket stadium in India, after the Eden Gardens of Kolkata.

i) **EXISTING SYSTEM:**

Arun Jaitley Stadium is currently having an **IP-based, centralized ticketing system installed back in 2009**. There are total 18 Gates of which currently turnstile system is installed at 11 Gates, below is gate wise distribution of barriers.

Gate Number	Number of Normal Lanes Tripod Turnstile Motorised - Only Entry.	Number of Normal Lanes (arm length 500 mm) Tripod Turnstile Motorised-Entry And Exit	Number of Single Lane Full height Turnstile Motorised -Only Entry	Number of Dual Lane Full height Turnstile Motorised-Entry and Exit	Single Arm Turnstile for Handicap
Gate 1	0	0	1	1	1
Gate3	2	1	0	0	1
Gate6	3	1	0	0	0
Gate8	2	1	0	0	1
Gate10	4	1	0	0	0
Gate11	0	0	0	0	0
Gate12	4	1	0	0	0
Gate13	0	0	0	0	0
Gate14	4	1	0	0	0
Gate15	2	1	0	0	0
Gate16	2	1	0	0	0
Gate17	3	1	0	0	0
Gate18	4	1	0	0	0

- There is existing OFC and CAT 6 network at present, which must be replaced by new & latest technology networking system.

ii) Scope of Work:

1. Arun Jaitley Stadium intends to replace the existing ticketing tripod turnstile and system with new system.
2. Bidder to provide Turnkey Solution that includes design, supply, installation, Testing, commissioning, training, providing user manual, providing minimum 12months' warranty after commissioning and 5 years post warranty/Comprehensive AMC for the total solution including all hardware, software, materials, services, and support etc. required at site.
3. At all Locations permanent canopy is to be provided by the bidder.

4. Wherever not present barricading is to be considered to cover all open entry points.
5. All the required civil works of RCC/CC or otherwise including making proper slope etc where ever required either at new locations or at the locations of existing Turnstiles shall be in the scope of the work
6. Wherever lane divider is not present proper lane divider is to be provided with SS 304 grade or better pipe of approved diameter to ensure proper queue formation and the existing GI pipe lane dividers are to be replaced by SS 304 grade or better pipe of approved diameter.
7. All civil work related to removing and laying power and network cable is to be considered by the bidder.
8. Before installing the new system, existing turnstile systems are to be dismantled and removed by the bidder.
9. Supply of all necessary hardware and software including configuration, programming, testing, and commissioning in order to meet the overall **objective** of the project.

Sr. No.	Item	Gate 1	Gate 3	Gate 6	Gate 8	Gate 10	Gate 11	Gate 12	Gate 13	Gate 14	Gate 15	Gate 16	Gate 17	Gate 18	HILL-A & Willigdn pavillion
1	Number of Normal Lanes Tripod Turnstile Motorised with Entry Ticketing Validator & Display	0	2	3	2	5	3	5	4	5	2	2	3	5	
2	Number of Normal Lanes Tripod Turnstile Motorised with Entry and Exit Ticketing Validator & Display	0	1	1	1	1	1	1	1	1	1	1	1	1	
3	Number of Single Lane Full height Turnstile Motorised with Entry Ticketing Validator & Display	1	0	0	0	0	0	0	0	0	0	0	0	0	
4	Number of Dual Lane Full height Turnstile Motorised with Entry and Exit Ticketing Validator & Display	1	0	0	0	0	0	0	0	0	0	0	0	0	
5	Handicap Lane - 900 mm P-gate with Entry and Exit Ticketing Validator & Display	1	1	0	1	0	0	0	0	0	0	0	0	0	
6	Number of Normal Lanes Flip Turnstile Motorised with Entry and Exit Ticketing Validator & Display	0	0	0	0	0	0	0	0	0	0	0	0	0	2

10. Below is the Gate wise distribution of different turnstiles to be considered in the scope:
11. Bidder must consider 2-Server architecture with data-base mirroring functionality to ensure system remains functional even after failure of 1 server. Both Servers must have SQL Standard edition 2022 or better.
12. Software dashboard should also give count of users inside the stadium through different gates.
13. The contractor shall be required to carry out the update of the software free of cost up to 10 years after the completion of work as and when the software upgraded or new version is launched.
14. Dismantling of the existing Turnstile system including all hardware & software, storing at a designated space inside the DDCA premises and buyback. The credit for the buyback towards the buyback price is to be given as a separate item in the BOQ and the buyback price is to be shown as minus amount in the BOQ. After depositing buyback amount by the bidder to DDCA, he may take out the dismantled items from the premises.
15. The contractor or OEM as the case may be shall give an undertaking to DDCA that they will depute the trained manpower for the operation of system during any international, IPL Matches VIP events and whenever DDCA requires.
- 16. Compliance by the bidder to the Specifications of individual Products ticketing turnstile with Validator;**
 The compliance to the specifications as in below table is to be filled up by the Bidder and same is to be submitted along with Technical bid.

Sr.No	Feature	Required Parameters	Compliance
1	Height	Half height Min 950mm	
2	Material of Construction	Body & arm of Stainless Steel-304 or Better	
3	Operating time/Throughput time	Minimum 25 persons per minute when Checked with a push button input	

4	Passage Control	Unidirectional and Bidirectional Operation	
6	Power fail protection	Drop arm should be closed and drop arms will automatically return to home position upon restoration of Power.	
7	Self-Centring Mechanism	Through servo position drives mechanism ensuring rotation quietly and smoothly to the neutral Position	
8	Power	230VAC(±10%),50Hz	
9	Temperature Range	0 to 55°C	
10	IP Rating	IP54orbetter	
11	Installation	Fixed to Concrete Floor by means of Anchor bolts supplied with the Turnstile or any other approved Anchoring system	
12	Invitation Feature	After receiving Valid credential turnstile should indicate to rotate the Arms of turnstile.	
13	MCBF	10million cycles	
14	Integration	With ticketing validator , validator must have inbuilt barcode (1D & 2D) reader and display.	
15	Ticketing Reader the barcode reader	Barcode reader should be integral part of validator with capability to read all types of 1D and 2D barcode or printed ticket and mobile screen. To Be powered by Adaptus@ImagingTechnology6.0.	
16	Ticketing Validator	Internal 1 D/2D barcode scanner Color TFT display with touch screen. Wired TCP/IP communication Material–SS 304Validator mounting provision both at Entry and Exit	

Full Height Turnstile with Validator:

Sr.No.	Feature	Required Parameters	Compliance
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1	Design	The Turnstile is a heavy-duty full height turnstile that is extremely suitable to ensure outside perimeter security. This stainless-steel (minimum 304 Grade) turnstile will be available with four door wings constructed from stainless steel with either straight or curved arms. The tandem unit ensures that two passages can be created on a limited ground surface.	
2	Functionality	The rotor is moved by a 90-degree rigid locking mechanism.	
3	Technology	The Turnstile can be configured to have a fail-safe exit, in the case of a power failure, disengages the locking mechanism allowing users to exit manually. If a fire alarm system is connected to the Turnstile the locking mechanism is disengaged automatically in an alarm situation. A Dual Lane Full height turnstile can also be installed for additional exit capacity. If no emergency exit is required, the Turnstile can also be configured to be fail-lock in which case the mechanism will remain locked in case of an emergency maintaining a high level of security.	
4	Housing Material	StainlessSteel304 or more	
5	Housing Aesthetic	Matt-finish	
6	Height	2200mm or more	
7	Width	1500mm or more	
8	Length	1450mm or more	
9	Walkway /Passage Clearance	530mm or more	
10	Rotor arm	4x90degree	
11	Power Supply	230V AC,50Hz	
12	Control Circuit operating voltage	24V DC or less	
13	Nominal Power Consumption	60W or less	
14	Intelligence	PIC 8-bit CMOS FLASH Microcontrollers Controller based with High performance RISC CPU.	
15	Operation	Bi-directional	

16	Internal components	Rust free alloy of high strength	
17	Head Mechanism	Hydraulic damping provided to ensure rotor always rotates quietly and smoothly to the home position.	
		Solenoid operation	
		Positive action lock which prevents two passages at one time.	
18	Mode of Operation	Normally closed /Locked	
19	Access Control Integration	Potential free inputs for both entry and exit operation. Functions seamlessly after integration with any third party access control systems through NO input.	
		Emergency: In case of emergency inputs Full Height Turnstile are configured to fail safe mode i.e. Rotors remain free to rotate till it gets the emergency pulse.	
		Block: In case of block inputs Full Height Turnstile are configured to fail lock mode i.e. Rotors remain Locked till it gets the block pulse.	
20	Interface	Micro switch output for complete transaction (COM,NO,NC)	
21	Fail lock/ Safe	In case of power failure Full height turnstile can be configured either fail safe or fail locked mode. (As and when required by customer at site)	
22	Hold Open Time	Isadjustablefrom1to10seconds	
23	Visual Indication	Full height turnstile is equipped with Lane indication display with Red Cross and Green Arrow sign for status and direction indication.	
24	Fraud Condition	Wrong entry is not allowed	
25	Throughput	15 to 20 persons in a minute (excluding Access Control Reader validation time)	
26	Power failure	In case of power failure, rotors remain free to rotate. Once the power is restored rotor will be locked again.	
27	MTBF	10millioncycles	
28	Duty Cycle	100%	
29	Ambient Operating Temperature	0°to+50° C	

30	Integration	With ticketing Validator, Validator must have in built barcode (1D&2D) reader and display.	
31	Ticketing Reader	Barcode reader should be integral part of Validator with capability to read all types of 1D and 2D barcode for printed ticket and mobile screen. The barcode reader being used should be powered by Adaptus® Imaging Technology6.0.	
32	Ticketing Validator	Internal 1 D/2D barcode scanner Color TFT display with touch screen. Wired TCP/IP communication Material–SS 304 Validator mounting provision both at Entry and Exit	

PHYSICALLY HANDICAPE-Gate with Validator:

Sr.No	Feature	Required Parameters	Compliance
1	Passage Clearance	900mmormore Suitable for wheelchairs, bicycles, and the transport of materials.	
2	Material of Construction	Body& arm of Stainless Steel-304 or better	
3	Open Time	Adjustable1to10sec	
4	Passage Control	Unidirectional and Bidirectional operation	
5	Operation	Motorized, BI-Directional, DC brushless. Motor-based drive for greater reliability.	
6	Power	230VAC(±10%),50Hz	
7	Safety	Low impact forces for maximum personal safety	
8	Temperature Range	-10 to 55°C	

9	Installation	Fixed to Concrete Floor by means of Anchor bolts, supplied with the Turnstile	
10	Invitation Feature	After receiving Valid credential P-Gate Should open creating passage.	
11	MCBF	10millioncycles	
12	Integration	With ticketing validator, validator must Have inbuilt barcode(1D&2D) reader and display.	
13	Ticketing Reader	Barcode reader should be integral part of Validator with capability to read all types of 1D and 2D barcode for printed ticket and mobile screen. The barcode reader being used should. Be powered by Adaptus@ImagingTechnology6.0.	
14	Ticketing Validator	Internal 1 D/2D barcode scanner Colour TFT display with touch screen. Wired TCP/IP communication Material–SS 304 Validator mounting provision both at Entry and Exit	

Server:

Sr.No	Feature	Required Parameters	Compliance
1	Processor	IntelXeon-Silver4309Y2.8GHz8 – core105Worbetter	
2	Memory	64GB RAM or better	
3	Power Supply	HPE800W–2nos(Redundancy)	

		HPE800W FS PlatHtPlg LHPS Kit – 2nos or more	
4	Connectivity	INT I3501GbE4pBASE-TOCP3 Adaptor better	
5	Hard drive	HPE300GBSAS 10KSFFBCM HDD –3numbers or more	
6	Software	MS Office Home 2022 & Business Windows Server 2022 Standard ROKSQLServer2022 Standard Edition with 4UserCAL SQL Data base Mirroring	

Ticketing Software:

- Client-Server Architecture
- Real time ticketing software
- Access control based on Gate Groups, User Category and Ticket Timings
- Real time device monitoring
- Detailed and summarized reports
- Real time visitor count monitoring and attendance of event
- Robust architecture which functions even if network is down: controllers are intelligent enough to take decision if connectivity with server is lost and store data locally which would be sync with the server on re-store of connectivity.
- System is flexible for run-time change of requirement (i.e., various offline modes, changing access control for user categories, debarring black-listing tickets, etc.)

Detailed Specification

1 Ticketing Access

- The software should manage ticket validation based on ticket timing and gate groups.
- Software should be capable of importing the ticket details of users from a csv file. Below are minimum fields which csv file should contain.
 - Name
 - Category
 - Ticket Number
 - Valid From
 - Valid Till
 - Single/Multiple Entry
 - Count Allowed
- Based on the Validity Date & Time, a ticket is to be validated for entry/exit. Single Entry tickets should be used only once for entry and exit each. A Multiple Entry ticket should be used for the specified number of counts provided in Count Allowed field.
- Ticket buyers are given a single-entry ticket whereas security personnel, maintenance team, etc are given multiple entry ticket.
- Entry Exit should also be restricted based on the Category of user. Categories are mapped to Gate Groups. Specific categories of users should be allowed on the mapped gate groups.
- Software should be able to displays the list of tickets imported from the CSV file. Tickets should be searched from the list using the ticket number. The list should also be filter educing the Valid from and Valid Till dates and the Category of users.
- The software should upload the ticket details to all ticketing barriers connected over Ethernet. This ensures that even if the controllers go offline at run-time, they can decide upon the ticket validity using the stored ticket data. The upload progress should also be viewed in the software.
- Counts of Total Visitors, Entered Visitors, and Exited Visitors should be monitored in the soft ware dashboard.

2. Application User Management:

- Application Users should be added using the software. User details are required to be entered in the software while adding. A user can be an Admin or a Normal User. The Access Rights of users are decided upon the type of user (Admin or Normal).
- Provision for modifying Access Rights of the users through the software should be available. Admin Rights allow modification of access rights of other users.
- Changing password and theme of software should be achieved through the software.
- Local Settings of the software like Company details, Location details, Event Buffer details should be added/ modified using software configuration option:

A. Company details should include below minimum

fields: Company ID, Company Name,
Company Description

B. Location details should include below minimum

fields: Location ID, Location Code, Location
Description

For ticket validation, the ticket should have the correct company ID and location ID to ensure that the ticket is applicable to the intended company and location.

C. Event Buffer ensures that a ticket's validity can be extended before an event time and after an event time. For example: The reporting time of an event can be 1-2 hours before the Ticket Validity time. In such cases, setting the Event Buffer time can ensure that any user entering at the reporting time (before the actual event time) also gets validated in the system. Such a provision helps in crowd Management.

3. Device Monitoring and Management:

- a. The controllers/devices used at entry and exit gates should be monitored and managed from the central location using software.
- b. Devices should be added, deleted, or modified/ configured through the central software.
- c. Any device should have below minimum fields: Device Name, Device IP Address, Device Type (Entry or Exit) and Device Group.
- d. Multiple devices belonging to a Device Group should be mapped to a category of users for controlling access. For example, 2 devices of entry and exit gates each can be reserved for VIP Category users by adding them in a Device Group. This group can be assigned to the VIP category in the software. This ensures that only VIP tickets are validated in the devices belonging to the device group.
- e. The status of devices should be monitored from the software to check whether devices are on line or offline.
- f. Devices should be set up with the following properties: Company Details, Location Details, Service Details, and Date Time of system. The software can get as well as set the values of these properties for all devices. The Device ID and Device Group ID assigned to the device can also be fetched from the controller. In case the controller goes offline, there are three modes in which device should be able to operate.
 - A. Access Bank: The controller validates the ticket based on stored ticket data which is uploaded from the software.
 - B. Barcode - Single Entry: The controller validates the ticket based on the barcode data but only for one time. Further use of ticket is disallowed.
 - C. Barcode-Multiple Entry: The controller validates the ticket based on barcode data.

The offline mode of operation of devices can also be fetched as well as set from the software.

4. Reports:

Following reports should be generated from the software:

A. Attendance Report

Full attendance report for the specified time, access type (Attended, Not Attended, Both) and Category of user can be generated from the software.

The ticket data of users in the report should have below minimum fields: Name, Category, Ticket Number, Valid From, Valid Till, Count Allowed, Count Entered, and Count Exited

B. Summary Report:

Summary Report should contain the summary and counts of users for specified time, access type and category.

The counts have to generate in the report category-wise, the report should have below minimum fields: Total Tickets, Number of Times Allowed, Number of Tickets Used, and Number of Times Tickets Used.

6. Evaluation criteria and method of evaluation (Selection process):

- a) DDCA has adopted a two stage selection process (collectively the “Selection Process”) for evaluating the proposal comprising of Pre-qualification-cum-technical Bid and Price bid. In first stage, Pre-qualification cum technical evaluation will be carried out as specified in clause 9 and 10. Incomplete applications shall be treated as ‘non-responsive’ and summarily rejected. Based on this Pre-qualification cum technical evaluation, the bidder who obtains aggregates of minimum marks as mentioned in clause 8 will qualify for second stage. The decision of the selection committee/PMC shall be final and binding. In the second stage, Price Bids only of those Bidders will be opened and evaluated who qualify for the second stage.
- b) Price Bid shall be opened only of those bidders who fulfil the evaluation criteria and are technically qualified as per clause 8 by the evaluation committee for the second stage.

7. CARE OF THE BUILDING

Care shall be taken by the contractor while handling and installing the various equipment’s and components of the work to avoid damage to the building. He shall be Responsible for repairing all damages and restoring the same to their original finish at this cost. He shall also remove at his cost all unwanted and waste materials arising out of the installation from the site of work.

8. DISQUALIFICATION FROM THE SELECTION PROCESS

Bidders are liable to be disqualified, if they:

1. Make misleading or false representation, or deliberately suppress any information in the forms, statements and enclosures required to be submitted by them.

2. Have hidden the record of poor performance, such as being barred/blacklisted, abandoning projects, not completing the assigned projects properly, or of financial failure/ weaknesses.
3. Resort to any unethical means, like attempting to influence the evaluation committee officials.

9. Eligibility Criteria : As under:

Sl.	Criteria	Supporting Compliance Documents
1.	The applicant shall be a company/ firm/ partnership/proprietorship firm registered under Indian company Act 1956 /Partnership Act 1932 and have its registered office in India.	Company: Copy of Certificate of Incorporation. Partnership/ Proprietorship: Partnership Deed
2	<p>If the bidder is not manufacturer of products quoted, the bidder should submit Authorization letter from the Original Equipment Manufacturer (OEM) addressed to customer for the offered Ticketing <i>Turnstiles and software solution</i>. Clearly mentioning that:</p> <p>a) The OEM shall provide the full technical support to the bidder at no extra cost to DDCA.</p> <p>b) The OEM shall complete the balance/left over work including AMC within the contract value and at the same terms & conditioned if the bidder fails to complete the entire work/project due to any reason.</p>	Authorization letter from the Original Equipment Manufacturer (OEM) on stamp paper of Rs100 duly counter signed by the bidder.

2	<p>The Applicant or OEM should have experience of having successfully completed similar works during the last 7 years ending last day of the month previous to the one in which tenders are invited:</p> <p>One work of value not less than Rs.5 Crores OR Two works of value not less than Rs. 4Crores OR Three works of value not less than Rs.2.5Crores</p>	<p>Similar works means SITC of Turnstile system integrated with Access control with ticketing system.</p> <p>Completion Certificate issued by an office not below than rank of executive Engineer.</p> <p>Actual value of the similar executed work shall be increased at a simple rate of 7% per annum calculated from the date of completion up to the date for RFP to bring the same to the current costing level.</p>
3	<p>The applicant should have an average annual financial turnover of Rs 2 Crores during the immediate last three consecutive financial years.</p>	<p>Turnover certificate from CA with UDIN Number in form-2 attached. The value of annual turnover figures shall be brought to current value by enhancing the actual turnover figures at simple rate of 7% per annum</p>
4	<p>The firm /applicant should not be blacklisted by any central Govt/ state Govt/ PSU/ Govt Bodies</p>	<p>Self- declaration certificate needs to be enclosed</p>
5	<p>GST Registration Certificate</p>	<p>Copy of Certificate to be enclosed</p>
6	<p>The bidder should be registered with any state Govt/ CPWD/ Railways/MES in class-I category OR OEM OR Specialized Agency duly authorized by OEM and the OEM must have their office or service centre in Delhi/NCR since last 5 years</p>	<p>Copy of registration certificate, OEM authorization and proof of existence of office or service centre in Delhi/NCR to be enclosed.</p>
7	<p>Proof of Site Inspection Prior to Submission</p>	<p>The Bidder must get Appendix-1(Proof of site Inspection prior to bid submission)Signed by the PMC DDCA the Appendix8needs to be submitted along with the T9chnical bid.</p>
8	<p>The applicant should have Bank Solvency of Rs. 2.5 Crores.</p>	<p>Letter from nationalized bank for solvency in prescribed form-1.</p>
9	<p>Applicant should not have, during the last five years, either failed to perform on any agreement, or have been expelled from any project or</p>	<p>The applicant should give a self declaration/affidavit.</p>

	agreement or have any agreement terminated for breach by the Applicant.	
10	The applicant should not be DDCA member/employee or the relative of DDCA member/employee	The applicant should give a self declaration/affidavit.

10. Technical Evaluation:

Evaluation of bids found eligible as per Pre-qualification criteria would be undertaken by Technical Evaluation / Selection Committee constituted by the competent authority as per parameters cited below:

Sl.No.	Parameter	Documents to be submitted with bid for assessment of parameter	Max Marks	Marks Obtained (0 to max marks)
(i)	Design / Concept of Design	Overall scheme, equipment selection criteria ,Schematic Line Diagram, GA drawings etc	10	
(ii)	Technology adopted / Quality of equipment	Catalogues, Technical Data sheets of individual equipment with make and model & compliance to tech specifications	10	
(iii)	Fulfilment of Scope of Work after detailed evaluation of site	Detailed Un-priced BOQ indicating Quantities of each item of BOQ & its unit	10	

		only but without price/amount)" covering entire scope of work stipulated in this RFP		
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- A. The Selection / Evaluation committee appointed by DDCA shall carry out its technical evaluation applying the evaluation criteria specified above.
- B. Each Responsive proposal shall be attributed a technical score. On the basis of technical assessment, applicants securing minimum 25 marks out of 30 marks will be shortlisted and the financial bids of only the shortlisted applicants will be opened.

11. **Completion Period:** 2Months from the date of award of work.

12. **Payment Terms:**

- 70% on supply of material as per specifications at site.
- 10% on successful installation
- 15% on testing and commissioning
- 5% on handing over of the installation to DDCA

13. **Penalty Clause**

In case of non-completion of the entire work within the stipulated time and if the delay is not *attributable to site requirements, Liquidated Damages (LD) @ 1% per week (or fraction thereof)* of the total cost of work awarded subject to a maximum of 10% of the gross value of work done or cost of work awarded, whichever is greater, shall be recovered from the bill of the successful bidder.

14. Performance Bank Guarantee

The successful bidder shall submit a performance bank guarantee to the tune of 5% of the cost of work awarded within a week from the date of allotment of work.

In case of contracts involving maintenance of building and services/any other work after Construction of same building and services/other work, then 50% of Performance Guarantee shall be retained as Security Deposit. The same shall be returned year wise proportionately

15. **Security deposit (SD)**

The person/persons whose tender(s) may be accepted (hereinafter called the contractor) shall permit DDCA at the time of making any payment to him for work done under the contract to deduct a sum at the rate of 2.5% of the gross amount

of each running and final bill till the sum deducted will amount to security deposit of 2.5% of the tendered value of the work. Such deductions will be made and held by DDCA by way of Security Deposit.

During the warranty/Guarantee period if any defects and/or poor workmanship and/or fault in the installation is noticed then the same shall be rectified/repaired/replaced up to the satisfaction of DDCA by the contractor at his own cost and within a reasonable time as mentioned in DDCA notice failing which the rectifications/repairs/ replacements as the case may be shall be done by DDCA at the cost of the contractor from his SD amount, excess expenditure over & above the SD amount if any, shall be recovered by DDCA from the contractor and the balance amount of SD if left any shall be released without interest after the warranty/Guarantee period is over.

The security deposit as deducted above can be released against FDR issued by a scheduled bank,

14. **TERMINATION OF CONTRACT**

Subject to other provisions contained in this clause, the DDCA may, without prejudice to any other right or remedy against the Bidder in respect of any delay, inferior work, any claims for damages and/or any other provisions of this contract or otherwise, and whether the date of completion has or has not elapsed, by notice in writing absolutely determine the contract in any of the following cases:

- a. If the Bidder having been given by the DDCA a notice in writing that he failed to deliver the products expected of them during or at the end of the work and fails to comply with the requirement of such notice for a period of seven days thereafter.
- b. If the Bidder has, without reasonable cause, suspended the work or has failed to proceed with the work with due diligence so that in the opinion of the DDCA (which shall be final and binding) he will be unable to perform the work satisfactorily and continues to do so after a notice in writing of seven days from the Engineer-in-Charge.
- c. If the Bidder fails to complete the work within the stipulated date or items of work with individual date of completion, if any stipulated, on or before such date(s) of completion and does not complete them within the period specified in a notice given in writing in that behalf by DDCA.
- d. If the Bidder persistently neglects to carry out his obligations under the contract and/ or commits default in complying with any of the terms and conditions of the contract and does not remedy it or take effective steps to

remedy it within 7 days after a notice in writing is given to him in that behalf by DDCA.

- e. If the Bidder shall offer or give or agree to give to any person in DDCA or to any other person on his behalf any gift or consideration of any kind as an inducement or reward for doing or forbearing to do or for having done or forborne to do any act in relation to the obtaining or execution of this or any other contract DDCA.
- f. If the Bidder shall enter into a contract with DDCA in connection with which commission has been paid or agreed to be paid by him or to his knowledge, unless the particulars of any such commission and the terms of payment thereof have been previously disclosed in writing to the Engineer-in-Charge.
- g. If the Bidder shall obtain a contract with DDCA as a result of wrong Bidding or other non-bona fide methods of competitive Bidding or commits breach of agreement.
- h. If the Bidder being an individual, or if a firm, any partner thereof shall at any time be adjudged insolvent or have a receiving order or order for administration of his estate made against him or shall take any proceedings for liquidation or composition (other than a voluntary liquidation for the purpose of amalgamation or reconstruction) under any Insolvency Law for the time being in force or make any conveyance or assignment of his effects or composition or arrangement for the benefit of his creditors or purport so to do, or if any application be made under any Insolvency Act for the time being in force for the sequestration of his estate or if a trust deed be executed by him for benefit of his creditors.
- i. If the Bidder being a company shall pass a resolution or the court shall make an order that the company shall be wound up or if a receiver or a manager on behalf of a creditor shall be appointed or if circumstances shall arise which entitle the court or the creditor to appoint a receiver or a manager or which entitle the court to make a winding up order.
- j. If the Bidder shall suffer an execution being levied on his goods and allow it to be continued for a period of 21 days.
- k. If the Bidder assigns, transfers, sublets (engagement of labour on a piece-work basis or of labour with materials not to be incorporated in the work, shall not be deemed to be subletting) or otherwise parts with or attempts to assign, transfer, sublet or otherwise parts with the entire works or any portion

thereof without the prior written approval of the DDCA.

When the Bidder has made himself liable for action under any of the cases aforesaid, the DDCA shall have powers:

- a) To determine the contract as aforesaid (of which termination notice in writing to the Bidder under the hand of DDCA shall be conclusive evidence). Upon such determination, the Earnest Money Deposit, Security Deposit if any already recovered and Performance Guarantee under the contract shall be liable to be forfeited and shall be absolutely at the disposal of DDCA.
- b) After giving notice to the Bidder to measure up the work of the Bidder and to take such whole, or the balance or part thereof, as shall be un-executed out of his hands and to give it to another Bidder to complete the work. The Bidder, whose contract is determined as above, shall not be allowed to participate in the Bidding process for the balance work.
- c) To impose suitable penalty as it may determine in addition to claim damages/ losses.

In the event of above courses being adopted by DDCA, the Bidder shall have no claim to compensation for any loss sustained by him by reasons of his having purchased or procured any materials or entered into any engagements or made any advances on account or with a view to the execution of the work or the performance of the contract. And in case action is taken under any of the provision aforesaid, the Bidder shall not be entitled to recover or be paid any sum for any work thereof or actually performed under this contract unless and until the DDCA has certified in writing the performance of such work and the value payable in respect thereof and he shall only be entitled to be paid the value so certified.

In case, the work cannot be started due to reasons not within the control of the bidder within 1/8th of the stipulated time for completion of work or one month whichever is higher, either party may close the contract. In case bidder wants to close the contract, he shall give notice to the DDCA stating the failure on the part of DDCA. In such eventuality, the Performance Guarantee of the bidder shall be refunded.

15. FORECLOSURE OF CONTRACT

If DDCA due to the abandonment or reduction of scope of works due to any reason whatsoever do not require the whole or any part of the works to be carried out, DDCA by giving a notice may foreclose the agreement. In such

circumstances the contractor shall be paid for the submission and work stages for which approvals are already granted, the earnest money deposit and the Performance guarantee of the contractor shall be refunded, but no payment on account of interest, loss of profit or damages etc. shall be payable at all and the DDCA shall be at liberty to make full use of all or any of the drawings, designs or other documents prepared by the contractor.

16. SETTLEMENT OF DISPUTES

Except where otherwise provided in the contract, all disputes arising during the progress of the work or after the cancellation, termination, completion or abandonment thereof shall be dealt with as mentioned hereinafter:

If the contractor considers any work demanded of him to be outside the requirements of the contract, or disputes any drawings, record or decision given in writing by DDCA or if DDCA considers any act or decision of the contractor on any matter in connection with or arising out of the contract or carrying out of the work, to be unacceptable and is disputed, such party shall promptly within 15 days of arising of the disputes request the DDCA to constitute a Dispute Redressal Committee (DRC) within 15 days along with a list of disputes with amounts claimed if any in respect of each such dispute. The Dispute Redressal Committee (DRC) shall give the opposing party two weeks for a written response and give its decision within a reasonable period from the receipt of appeal of either party. The decision of Dispute Redressal Committee (DRC) shall be final and binding on the either party. The party shall however continue to complete the remainder work without awaiting the decision of the DRC.

APPENDIX -1
Site visit certificate

(Prior to date of bid submission)

Name of Work: **Conceptualize, Plan, Design, Supply, Installation, Testing and Commissioning of Automatic Ticketing Access Control Systems for sportspersons/players/Visitors, stake holders and spectators as per prescribed standards at Arun Jaitley Stadium New Delhi**

This is to certify that representatives of M/S visited Arun Jaitley Stadium, New Delhi on.....for ascertaining and analyzing the site conditions of the Stadium for participation in the RFP of the above work.

PMC/CE (E) DDCA

Date of issue:

BANKERS SOLVANCY CERTIFICATE

This is certify that to the best of our knowledge and information that M/s.....
.....having marginally noted address, a customer of our bank are/is respectable and can be treated
as good for any engagement upto a limit of Rs..... (Rupees.....)

This certificate is issued without any guarantee or responsibility on the bank or any of the officers

Date :

(Authorized signatory of the Bank)

Note:

1. Bankers certificates should be on letter head of the Bank, sealed in cover addressed to Bidding inviting authority.
2. In case of partnership firm, certificate should include names of all partners as recorded with the Bank.

FINANCIAL INFORMATION

Details to be furnished duly supported by figures in audited balance sheet, profit and loss account statement and acknowledged IT returns for the last three year duly certified by the Chartered Accountant.

Name of the Applicant: _____

Particulars	Financial Year		
	2019-20	2020-21	2021-22
Gross Annual Financial Turnover from consultancy work (In Lakhs)			

Certified that the above financial information pertaining to the said applicant is correct and conforms with audited balance sheets,

Signature of Chartered Accountant with seal

Signature of Applicant

Note: Average Annual Turnover of last three audited financial years shall be considered. In case audited balance sheet for the latest financial is not available / audited yet, this shall be specifically mentioned. In case balance sheet for any year of these three preceding audited financial year is not provided, the gross turnover for that particular financial year will be treated as zero during evaluation.

ANNEXURE-A
LIST OF APPROVED MAKES

Sl. No.	Items	Makes
1.	Turnstile system	SKIDATA, GODREJ, ESSL, Magnetic, Gunnebo
2.	Fibre armoured Cable	Belden, D Link, Finolex, Corning, HFCL
3.	Cat 6 Cable	Belden, DLink, Finolex
4.	Networking Switch	Cisco, Juniper, HFCL, D Link
4.	GI Tray and Pipes	Jindal/TATA/SAIL/ Essar-Arcelor
5.	Online UPS	APC, Guter, Emerson, Labotek, ERAM-MAGNAFLUS
6.	Dry type Battery	Exide, Luminous, Amron
7.	Anchor Fasteners	Hilti / Fischer
8.	Power and Control cables	KEI/Havells/ Polycab/ National/ Gloster
9.	HDPE/DWC PIPE	Duraline, Rex , Tirupati.....
10.	Any other item	As per prior approval of CE(E) DDCA/ PMC DDCA

**ANNEXURE-B
Price Bid Format**

Sl.No.	Description	Qty	Rate	Amount in Rupees
1	Conceptualize, Plan, Design and Supply, Ticketing Access Control System to ensure better Security and safety for sportspersons/players/Visitors, stake holders and spectators as per prescribed standards at Arun Jaitley Stadium New Delhi and 5 years AMC of the installation after the warranty/Guarantee period as per scope, terms & conditions of RFP.	LUM SUM		
	Total amount in Rupees			

Total amount in words Rs.....only

Note: 1.The amount quoted is without GST. The GST shall be reimbursed to the contractor on production of payment of the same by the contractor to the concerned authorities.

2. Detailed item wise BOQ (with Price) in support of the above Price bid is to be developed by the bidder and the same is to be enclosed with this price bid.

3. Separate items to be included in detailed BOQ for 5 years AMC and the buyback items. The buyback price is to be shown as minus amount in the BOQ.