

Smart Parking

REFERENCE TO PRE-TENDER MEETING HELD ON 26-5-2016

SUGGESTIONS ARE INVITED FROM PUBLIC ON PROPOSED SMART PARKING INITIATIVE.

LAST DATE FOR SUBMISSION OF SUGGESTIONS – TUESDAY (31 MAY, 2016) BY 5:30PM AT THE FOLLOWING

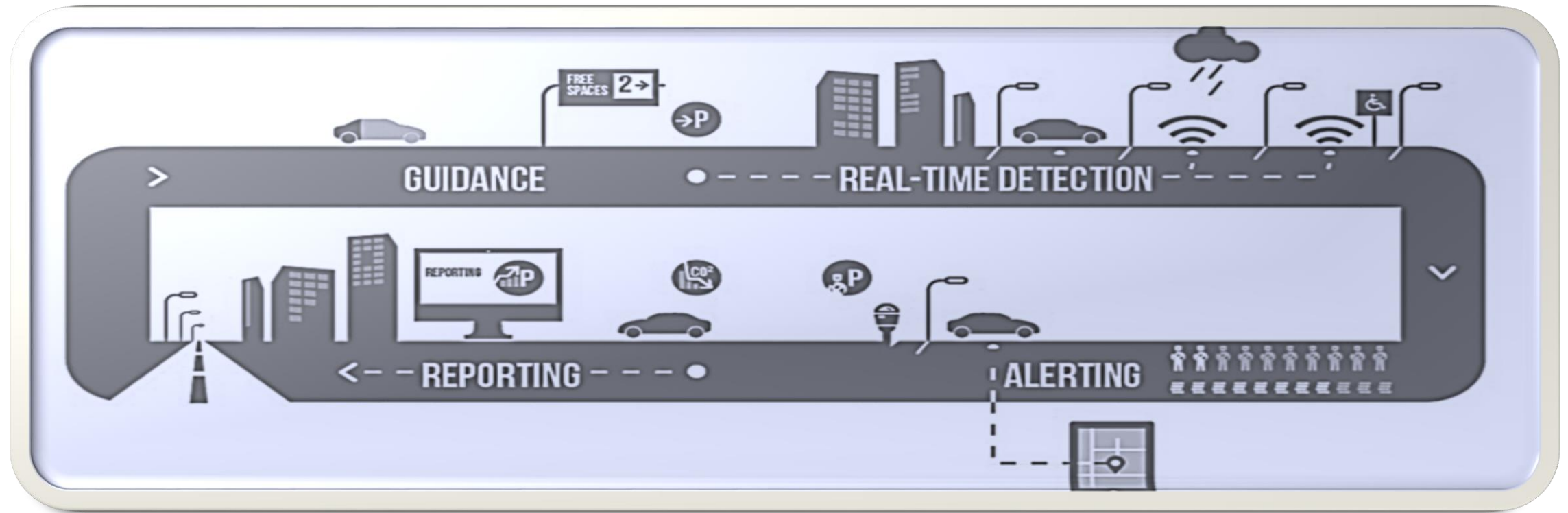
EMAIL ID: sec1.civil@ndmc.gov.in

CONTACT DETAILS: OFFICE OF S.E.(C)-I, ROOM NO.1503, PALIKA KENDRA, NDMC, SANSAD MARG, NEW DELHI-01

PH. 011-23348418(OFF.)

Smart Parking

DESIGN, DEVELOPMENT, IMPLEMENTATION, OPERATION AND MAINTENANCE OF PARKING GUIDANCE AND MANAGEMENT SOLUTION FOR ON STREET, OFF STREET AND INDOOR PARKING SPACES IN NDMC AREA ON PPP MODEL



SMART CITIES MISSION : A Key Focus for GoI

100 Cities selected for Smart City Challenge

Only 20 Cities to be selected in first phase

Funding to be released to the select cities over the **next 5 yrs.**

Developmental Impact on the Nation

Pride for New Delhi

Smart Cities are a means for sustainable city development

NDMC Selected as a part of Top 20 Cities by GoI during Round 2

Key Convergence Schemes :

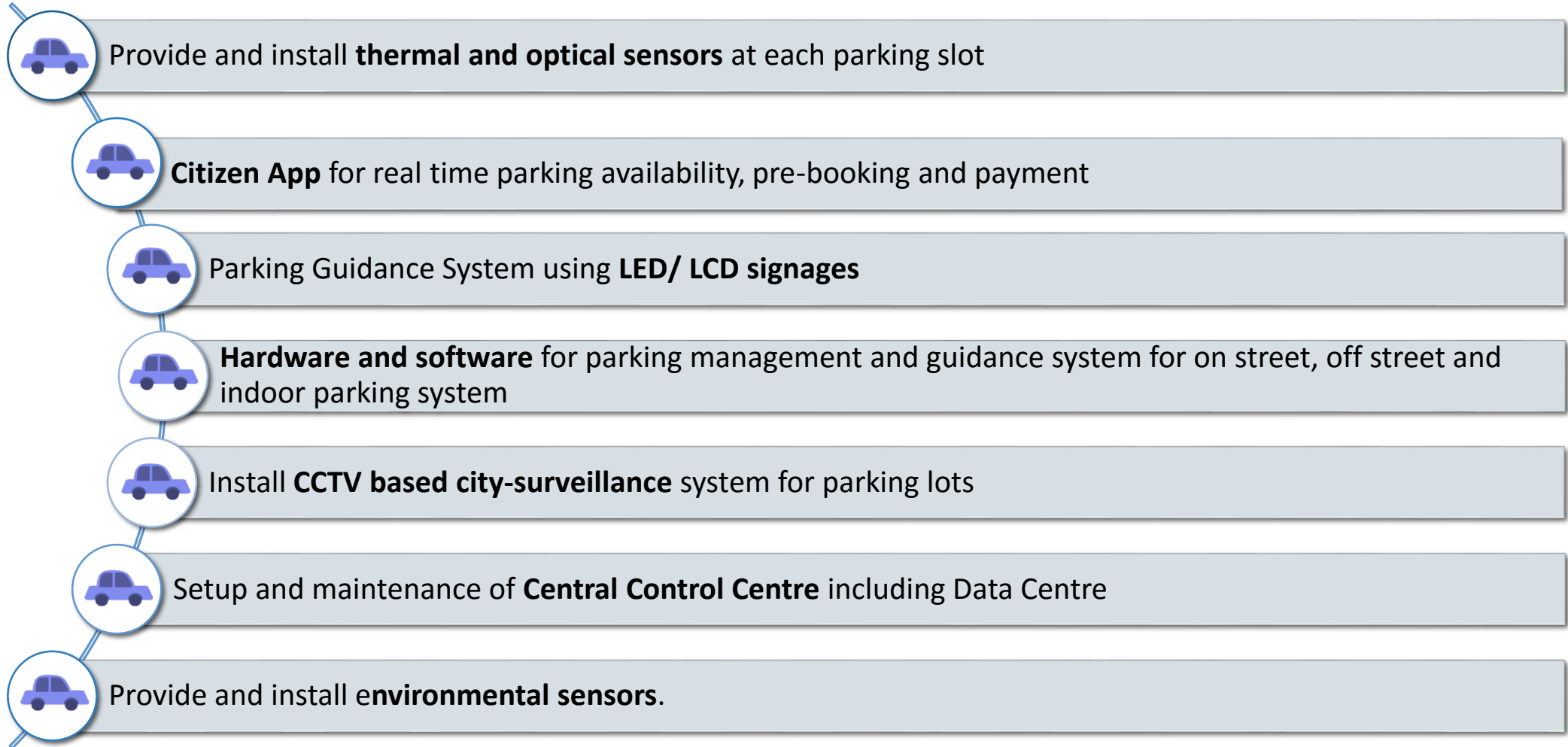


NDMC Vision

To be the Global Benchmark for A Capital City



Objectives of the Project



Scope of Work

Marking of outer boundaries of each parking bay with thermoplastic paint and to be renewed after 2.5 years

Provision and Installation of magnetic and optical sensors in each parking lot

Provision and installation of CCTV cameras in all parking lots

Setting up of central server for data storage and parking App

Provision and installation of LED/LCD signage for Parking Guidance and Management System.

Provision of last mile connectivity up to all parking locations as per data requirement of that location

Scope of Work

Provision and installation of all necessary networking equipment for enabling availability of real-time data of all parking lots at central location

Creation of Citizen App for online booking and real-time information of parking and availability to citizen

Deployment of manpower for management of all parking lots including collection of parking fee

Comprehensive operation and maintenance of all hardware and software throughout the concession period

To give guaranteed fix revenue to NDMC

To give NDMC a monthly Concession fee in percentage of revenue collected from parking charges

Penalties would be imposed for..

Any offline transaction

Parking in the non-parking areas

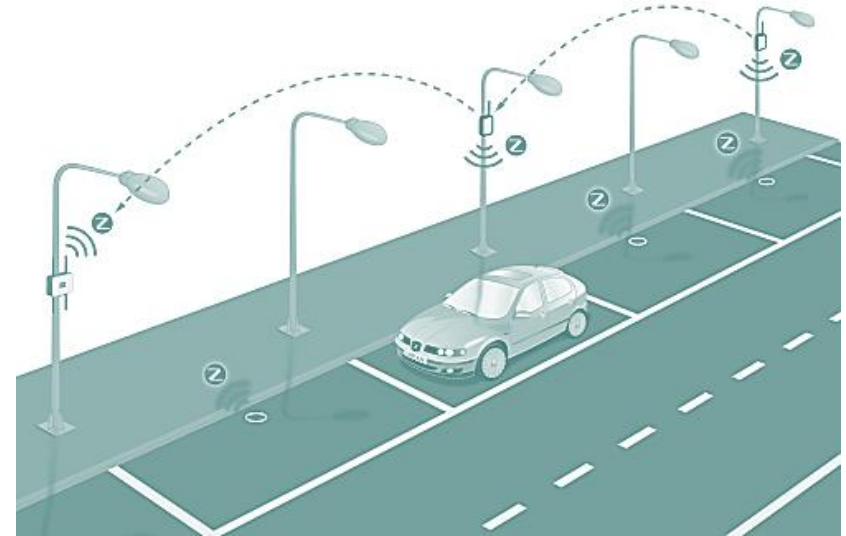
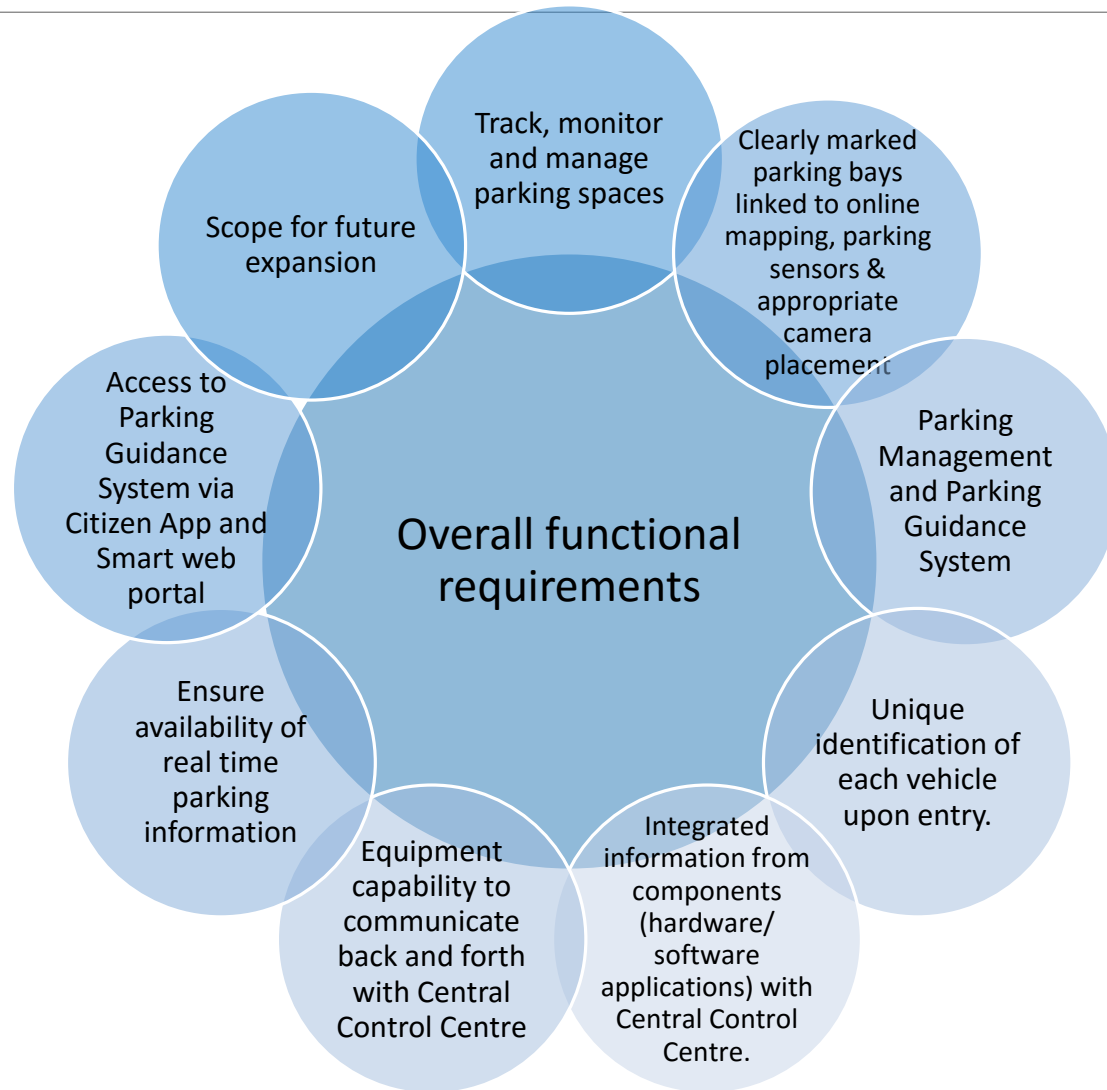
Non-parking of vehicles in the defined parking bays

Non-payment of Concession fee to NDMC

Non operating the parking as per schedule defined by NDMC

Overcharging of parking fee

Functional Requirements



- Parking should be made available

Walk-in parking	On-Spot Pass-based Parking	Online Booking
Night Parking	Premium Paid Parking	On-Spot Online reservation for Pre-booking a Spot

Functional Requirements

Parking Management Subsystem



Entry Requirements

- Outdoor displays/screens showing overall availability of parking slots
- Entry Device
- Ticket, QR Code, Smart Parking Card/Any other
- Vehicle entering parking space should be stopped by barrier.
- Barrier to raise when the motorist has been identified as a legitimate user.



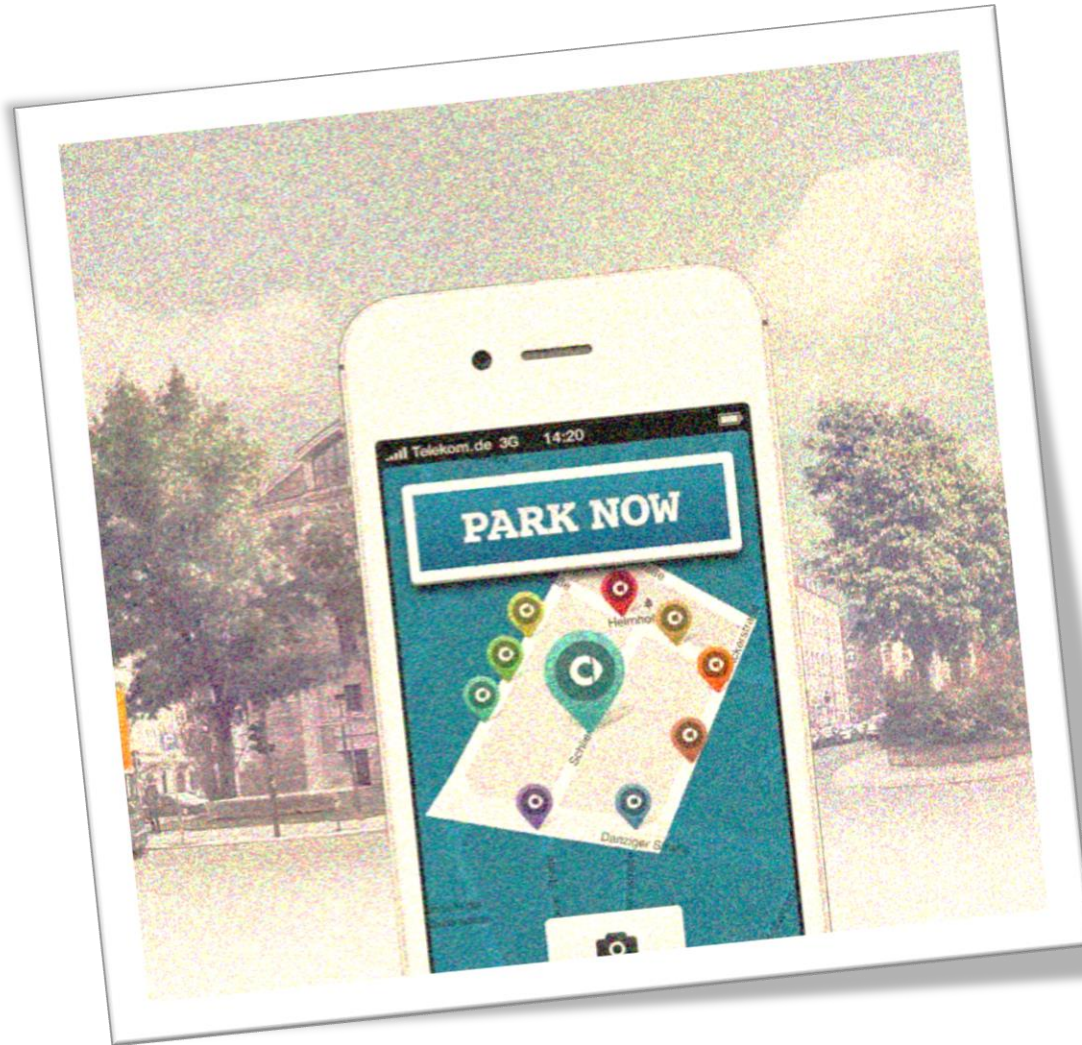
Exit Requirements

- Barrier system at point of exit
- Easy to use interface
- Manual Pay Station
- Automatic updated of parking space on exit
- Audit trail of each complete, incomplete and cancelled transaction in the system
- Full integration of third party devices with Parking Management & Guidance System
- Track revenue sources
- Pay Station equipped with charging devices

Entry and Exit Barriers

- Technologies such as boom barriers, bollards etc.
- Provision to capture image of vehicle including license plate number
- Illumination options depending on position, and in built glowing direction signage
- Alarm raised and sent to the server & monitoring console, due to barrier detachment upon vehicular impact

Citizen Portal & App



Functional requirements

- Citizen registration
- Parking Guidance System
- Real-time Status of parking availability
- Pre-booking of parking
- Online payment
- Monthly passes for parking
- Environmental Parameters Dashboard
- eGovernance links
- Public Transport Information
- Integration with Third Party Services and Apps

Parking Guidance Subsystems



Payment Options

Cash at the Pay Station

eWallet, net banking, credit card, debit card etc. for bookings through Citizen App or Smart web portal

Payment Methods



NDMC Responsibilities / Support

NDMC will allow concessionaire for collection of parking charges from existing & proposed parking lots in NDMC area on pre-decided parking charges

Electricity consumption at places other than parking lots for displaying parking availability, parking related information, any other information by NDMC will be free of cost.

Minimum space required for installation of Gateway, Switches, Routers, Cameras, LED/LCD signages etc. for Smart Parking services will be provided free of cost by NDMC.

NDMC will provide space for setting up of Central Control Centre.

NDMC shall provide single window clearance (“in area where NDMC has full control”) to the Concessionaire

Preparation and Submission of bids

Envelope A		
Sl. No.	Documents Type	Document Format
1.	Earnest Money Deposit (EMD)	EMD (to be decided) in the form of Demand Draft/Pay order/Bankers Cheque/FDR/TDR in favour of "Secretary, NDMC" Payable at Delhi/New Delhi.
2.	Cost of RFP document, if applicable	Cost of RFP document (in case of RFP document downloaded from website) – Rs.10,000 to be deposited in the form of Demand Draft/Bankers Cheque in favour of "Secretary, NDMC" Payable at Delhi/New Delhi.
3	Eligibility Criteria	The Eligibility Criteria shall be prepared in accordance with the requirements specified in RFP document.
Envelope B		
1	Technical Bid	To be prepared in accordance with the requirements specified in the RFP document and in the formats prescribed. This Envelope should also mandatorily include un-priced Bill-of-Material.
		The Technical Bid shall be prepared in accordance with the requirements specified in the RFP document and in the formats prescribed. This Envelope should also mandatorily include un-priced Bill-of-Material (BOM).
Envelope C		
1	Financial Bid	The Financial Bid proposal shall be prepared in accordance with the requirements specified in this RFP document and in the formats prescribed in RFP document.

Important Dates

S. No.	Information	Details
1.	Advertising Date	Date and Time (D&T)
2.	Last date to send in requests for clarifications	D&T + 10 days
3.	Date, Time and Place of Pre- Bid conference	D&T + 12 days NDMC Conference Hall, 3 rd Floor, Palika Kendra, New Delhi- 110001
4.	Release of response to clarifications would be available at	D&T + 22 days www.ndmc.gov.in
5.	Last date and time for submission of bids (Bid Due Date)	D&T + 31 days
6.	Technical Bid Opening Date & Time	D&T + 31 days + 30 min.
7.	Date for Presentation and Proof of Concept (POC)	To be informed
8.	Financial Bid Opening Date & Time	To be informed
9.	Address for communication and hard copy submission of documents / correspondence	Office of the Superintendent Engineer (C-I) Civil, Civil Engineering Department, 15 th floor, Room No. 1503, Palika Kendra, New Delhi-110001 Phone:- 011-23348418



Evaluation of Bids

Eligibility

Technical Evaluation

Eligibility Criteria (1/2)

S. No.	Basic Requirement	Specific Requirements	Documents Required
1	Applicant Entity	Legal entities duly registered under the Companies Act 1956/ 2013 are allowed.	a) Certificates of incorporation; b) Registration Certificates; c) Copy of the consortium agreement
2	General Requirement	Applicant/ lead member in case of consortium should be in operation for a period of at least 5 years in India (International firms can operate as a consortium in collaboration with Lead Indian partnership)	Self-certified copy of documents to establish the General requirements.
3	Turnover	<ul style="list-style-type: none">• Average Annual turnover of last 3 Financial Years• Average Annual turnover from parking management	Self-certified copy of documents to establish the Turnover conditions.
4	Profitability	The Applicant / lead member in case of consortium shall not be in loss for more than two years during last five years.	Self-certified copy of documents to establish the Profitability conditions.
5	Solvency	The Applicant/ lead member in case of consortium shall have bank Solvency certificate (value to be finalized as per norms). The certificate should be issued within last six months from the date of issue of RFP document will be considered for this purpose.	Certificate from Bank

Eligibility Criteria (2/2)

S. No.	Basic Requirement	Specific Requirements	Documents Required
6	Registration under Tax Labour Laws Electrical Laws, etc.	The Applicant/ Lead Applicant should have a registered number of: (a) VAT/Sales Tax where his business is located; (b) Service Tax; (c) Income Tax PAN; (d) The ESI & EPF registration as per Labour Laws; (e) Registration of Labour License.	Copies of relevant(s) Certificates of Registration.
7.	No Barring Certificate	Any entity which has been barred, by the Central Government/ any State Government/ NDMC, or any entity controlled by these, from participating in any project (BOT or otherwise), and the bar subsists as on the date of Application, would not be eligible to submit an Application, either individually or as member of a Consortium.	Undertaking by the authorized signatory as well as all members of consortium.
8.	Integrity Pact	Duly signed Integrity Pact	Undertaking by the authorized signatory as well as all members of consortium.

Technical Evaluation of Proposal

	Capability	Criteria for Technical Evaluation
1.	Financial Capability	Average Annual turnover of Applicant/ Consortium from last three financial years
2.	Past Experience	The Applicant or its consortium members (if any) should have following past experience during the last 5 years : (a) Experience: Implementation of smart car parking solution (b) Experience of Managing/Operating Parking slots
3.	Value Addition	Innovative Solution/ Value addition being offered under this RFP document
4.	Approach, Methodology, Project Management, Execution Methodology, SLA management	1) The Technology Architecture blue print with various components asked, 2) Correlation and analytics of data, integration Architecture, 3) Technical and functional specifications compliance, 4) Make and model, 5) Response to SLAs and plans to manage uptime.
5.	Manpower deployment	Proposed quantum of manpower at various stages of project (implementation and maintenance) and CV of Key professionals.
6.	Presentation/ Client Visit	Applicant understanding of NDMC's requirements (functional and technical) and completeness of proposed solution.
<ul style="list-style-type: none"> • The Financial Bid of only the technically qualified bidders shall be opened. • Preferred Bidder will be selected based on highest % sharing of revenue with NDMC. 		



Appendix

Functional Requirements

Parking Details - NDMC

Parking Sites	Total Area (sq. mtrs.)	Car	Scooter	Bus
Existing	123463	6669	2444	27
UG Parking	35131	1750	480	0
Proposed	24121	1433	0	31
Total	182715	9852	2924	58

*Detailed List will be provided alongwith RFP document