



Request for Proposal

For

***Selection of Concessionaire for Design
Build, Finance Operation and Maintenance of
Smart Parking Solution for On-Street, Off-Street
and Multi-Level Parking in Gwalior on PPP model***

NIT No: GSCDCL/027/2017

Dated: 30/12/2017

Gwalior Smart City Development Corporation Limited, Gwalior

**Nagar Nigam Office, City Centre, Gwalior, Madhya Pradesh, 474003 Ph. No.
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Gwalior Smart City Development Corporation Limited

Email: gscdcltender@gmail.com; Phone: 07512438386

NOTICE INVITING TENDER ("NIT")

NIT No. GSCDCL/027/2017

Date: 30/12/2017

Gwalior Smart City Development Corporation Limited (GSCDCL) invites online Bids from eligible bidders through www.mpeproc.gov.in for "Selection of Concessionaire for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for On-Street, Off-Street and Multi-Level Parking in Gwalior on PPP model".

The details are as under.

SR. NO.	EVENT'S NAME	INFORMATION
1.	NAME OF THE PROJECT	"Selection of Concessionaire for Design, Build Finance, Operation and Maintenance of Smart Parking Solution for On-Street, Off-Street and Multi-Level Parking in Gwalior on PPP model".
2.	BID DOCUMENT FEE	RS 25,000/- (RUPEES TWENTY FIVE THOUSAND ONLY) THROUGH ONLINE E-TENDERING PAYMENT GATEWAY ONLY
3.	EARNEST MONEY DEPOSIT (EMD)	RS. 5,00,000/- (FIVE LAKH ONLY)
4.	LAST DATE FOR SENDING PRE-BID QUERIES	16.01.2018 16:00 HRS
5.	DATE, TIME AND PLACE OF PRE-BID MEETING	18.01.2018 14:00 HRS
6.	LAST DATE FOR ONLINE PURCHASE OF BID DOCUMENT	30.01.2018 17:30 HRS
7.	LAST DATE OF ONLINE SUBMISSION OF BIDS	31.01.2018 17:30 HRS
8.	LAST DATE OF EMD+HARD COPY (PRE-QUALIFICATION AND TECHNICAL PROPOSAL) SUBMISSION OF BIDS	02.02.2018 17:30 HRS
9.	DATE AND TIME FOR OPENING OF PRE-QUALIFICATION AND TECHNICAL PROPOSAL	03.02.2018 11:00 HRS
10.	DATE AND TIME FOR OPENING OF FINANCIAL PROPOSALS	WILL BE INTIMATED LATER TO THE TECHNICAL LY QUALIFIED BIDDERS

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Executive Director

Gwalior Smart City Development Corporation Limited

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DISCLAIMER

Gwalior Smart City Proposal (SCP) was selected to implement the Area Based Development (ABD) and pan-city proposals by Government of India under Smart City Mission. Gwalior SCP proposes smart solutions in ABD and cross pan-city providing various smart feature/infrastructure.

To implement Smart City projects in Gwalior, Gwalior Municipal Corporation (GMC) and Madhya Pradesh Urban Development Corporation formed an SPV called Gwalior Smart City Development Corporation Ltd. (GSCDCL)

The information contained in this Request for Proposal (the "RFP") document or subsequently provided in writing to the Bidder(s), by or on behalf of the Executive Director, Gwalior Smart City Development Corporation Limited (GSCDCL) or any of its employees or advisers, is provided to Bidders on the terms and conditions set out in this RFP and such other terms and conditions subject to which such information is provided.

This RFP is not an agreement and is neither an offer nor invitation by the Executive Director, GSCDCL to the prospective Bidders or any other person. The purpose of this RFP is to provide interested parties with information that may be useful to them in the formulation of their Proposals pursuant to this RFP.

This RFP includes statements, which reflect the intentions of the GSCDCL in relation to the Engagement of Agency for "Selection of Concessionaire for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for On-Street, Off-Street and Multi-Level Parking in Gwalior on PPP model".

GSCDCL, its employees and advisers make no representation or warranty and shall have no liability to any person including any Bidder under any law, statute, rules or regulations or part, principles of restitution or unjust enrichment or otherwise for any loss, damages, cost or expense which may arise from or be incurred or suffered on account of anything contained in this RFP or otherwise, including the accuracy, adequacy, correctness, reliability or completeness of the RFP and any assessment, assumption, statement or information contained therein or deemed to form part of this RFP or arising in any way in this Selection Process.

GSCDCL also does not accept any liability of any nature whether resulting from negligence or otherwise however caused arising from reliance by any Bidder upon the statements contained in this RFP.

GSCDCL may in its absolute discretion, but without being under any obligation to do so, update, amend or supplement the information, assessment or assumption contained in this RFP.

The issue of this RFP does not imply that GSCDCL is bound to select the Concessionaire for "Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for On-Street, Off-Street and Multi-Level Parking in Gwalior on PPP model" and GSCDCL reserves the right to reject all or any of the Proposals without assigning any reasons whatsoever.

The Bidders shall bear all its costs associated with or relating to the preparation and submission of its Proposal including but not limited to preparation, copying, postage, delivery fees, expenses associated in connection with or relating to its Proposal. All such costs and expenses will remain with the Bidder and GSCDCL shall not be liable in any manner whatsoever for the same or for any other costs or other expenses incurred by a Bidder in preparation or submission of the Proposal, regardless of the conduct or outcome of the Selection Process.

Section 1.0

Instructions to Bidders

SECTION 1.0: INSTRUCTIONS TO BIDDERS

1. Instruction to Bidders

- A. The Bidders are required to read carefully the contents of this document including Technical Capabilities.
- B. The bidders shall have to submit their Bid online and upload the relevant documents as per key dates. Technical documents should reach the office of the Executive Director, Gwalior Smart City Development Corporation Limited, Gwalior Municipal Corporation, Narayan Krishna Shejwalkar Bhawan, City Center, Gwalior-474011, Madhya Pradesh, GSCDCL, will not be responsible for any delays.
- C. RFP document can be purchased online only from portal www.mpeproc.gov.in by making online payment of **Rs. 25,000/- (Twenty Five Thousand Only)**.
- D. The Bid Data should be filled and the Bid which includes all the envelopes and the documents which are to be uploaded by the Bidders should be submitted.
- E. The Bidders shall have to submit their Bid online as per the RFP.
- F. The pre bid meeting is open to all interested prospective bidders.
- G. The Bidders are to complete the RFP document and provide all the other documents/information in sufficient detail. The completed Bid must be prepared and submitted in original, and must be so marked.
- H. All documents must be in English language and each page of the Bid must be duly completed. Each page of the Bid must be signed, numbered and stamped as a token of acceptance of the terms and conditions of the contract. Any unsigned and unstamped document will not be considered.
- I. The Bidders should note clearly the last date and time of submission of the Bids. No late or delayed Bids will be accepted. Bidders are reminded that no supplementary material would be entertained by GSCDCL. However GSCDCL may, if necessary, at its sole discretion ask for any clarification regarding the submitted Bid and/or other documents.
- J. The Bidders and/or successful bidder who are/is found to have made any misleading or false representations in the Bid including any statements, attachments, document, Performa's and Annexures submitted as proof of the requirements, shall be disqualified and will lead to forfeiture of EMD

2. Bidding Process

- A. The entire bidding process shall be online (e-Tendering) in three cover system. The Bidders shall have to submit their Bid online as per the RFP.

3. Definitions and Interpretations

3.1. Definitions

“Agreement” or Concession Agreement” shall mean the Concession Agreement entered among the GSCDCL and Successful Bidder. Gwalior SMART City Development Corporation Ltd. shall mean GSCDCL.

“Concessionaire” shall mean the Bidder selected and nominated by the “GSCDCL” to implement the Project on the terms and conditions stipulated in the Concession Agreement.

“Bid or Proposal” shall mean Bids submitted by the Bidder for any or all of the projects, in response to this RFP including clarifications and/or amendments to RFP, if any.

“Bid Security” shall mean the security furnished by the Bidder as stipulated in the RFP document.

“Bid Evaluation Committee” shall mean the committee constituted by the GSCDCL for evaluating the Bids.

“Commercial Operation Date” or “COD” means the date upon which the Concessionaire commences commercial operations of the Project.

“Contract Period” or “Concession Period” shall mean 10 (Ten) year’s license period starting from the date of “Signing of the Concession Agreement” or 1st lot of clear site handover, whichever is later for project implementation, or so amended as per agreement between the parties.

“Car Parking Slot” is an individual parking space for one (1) passenger car.

“Collection” is a set of processes designed to the reception, consolidation, transportation and deposit of the money derived from the initialisation and charge in Smart Parking System.

“Control Centre” means the central facility used mainly for service monitoring and operations control and for collecting, storing, consolidating, processing the information obtained from various elements of the parking management, agents, employees, service providers, communication systems and related elements.

“Commercial Bid” shall have the meaning as set forth in the RFP document.

“Commencement Date” when actions begins pertaining to a Concession Agreement.

“Concessionaire Facilities” means the facilities and equipment produced or developed by the “Concessionaire” that are required for the due implementation of this Contract.

“Concessionaire” means the successful bidder selected under this RFP with whom GSCDCL has entered into a “Concessionaire Agreement”.

“Due Date” shall mean the last date for submission / receipt of the Bid, as mentioned in the RFP document.

“Equivalent Car Space Factor” or “ECS Factor” is the size of a Parking Slot for a type of vehicle expressed as a fraction of the size of a Car Parking Slot.

“Fine Rate” is the Parking Fine per hour applicable for a designated vehicle, time, and place.

“Authority” shall mean Gwalior Smart City Development Corporation Limited (GSCDCL), Gwalior.

“Smart Parking System” means a system in which collection of parking fees and system monitoring and system enforcement is managed in real-time using a central server and control centre.

“Letter of Allotment” or “LOA” means the letter issued by GSCDCL to the Successful Bidder to provide Smart Parking System in conformity with the terms and conditions set forth in the RFP.

“Minimum Development Obligations” shall mean the Minimum Development Requirements to be met by the Successful Bidder (Concessionaire) in implementation of each of the Projects; the details of the Minimum Development Obligations are given in the RFP.

“MCG” Municipal Corporation of Gwalior.

“No-Parking Area” means all areas other than where parking is permitted as per schedule I of this Agreement.

“Operating Plan” is a set of rules and operating procedures related to parking areas (notification of paid parking, free parking and no-parking), parking fee and its payment, signage and markings, enforcement and other aspects of the Smart Parking System. The contents of the plan may be modified from time to time.

“Operations Period” means the period commencing from commercial operations date (COD) and ending on the expiry or prior termination of this Concession Period;

“Parking Duration” is the duration for which a vehicle is parked in a Parking Slot.

“Parking Event” is an act that occurs when a vehicle is in a stationary position in a Paid Parking Lot.

“Parking Base Price (PBP)” is an amount charged by “Concessionaire” for vehicle parking in

anonstreet,offstreetandinamulti-levelparking.

“ParkingFine”or“Fine”isanamountchargedbyGSCDCL/TrafficPoliceforvehicleparkinginaBlockFaceorParkingLotwithoutpayingtheapplicableParkingFeeorforparkinginaNo-ParkingArea.

“ParkingLot”isanonstreet,offstreetandinamulti-levelparkingpublicparkingareawithoneormorediscreteentranceswhereusersmaybeallowedtoparkvehicles,foraFeeorforfree,dependingonthenotification.EachParkingLotisdenotedbyauniqueidentificationcode.

“FeeRate”istheParkingFeeperentry for maximum of 24 Hourapplicableforadesignatedvehicle,time,andplace.

“ParkingSlot”isaparkingspaceforone(1)vehicle.

“ParkingUnit”meansaquantityofparkingareainaBlockFace orParkingLotof asizeequivalenttothesizeofaCarParkingSlot.

“PaymentPeriod”istheperiodforwhichan invoicehasbeensubmittedbythe“Concessionaire”fortheserviceoperatedbythe“Concessionaire”.Thisshallbe,unlessotherwisemodified,beaperiodoffourteen(14)days.

“SuccessfulBidder”shallmeantheBidder,whoseBidisdeclaredastheBidwiththehighestConcessionfeequot edfortheprojectasaresultoftheBidevaluationprocessassetforthinthiRFPdocument.

“Project”means,Design,Development,Implementation,OperationandMaintenance ofSmartParkingSolutionforon-street,off-street,multi-leveldesignatedparkingspaces(fourwheelers,twoweelersandbuses)inGwaliorandsubjecttotheprovisions ofthisRFPandAgreement,(i)financing,constructionatthesite,implementation,completion,commissioning, management,operationandmaintenanceoftheProject,executionoftheworksandallactivitiesincidentalther eto,suchasengineering,testing,installation,commissioningandinsuranceetc.,bytheConcessionaireduring theConcessionPeriod;and(ii)thetransferoftheProject/ProjectFacilitiesbytheConcessionairetoAuthorityor itsnominatedagencyattheendoftheConcessionPeriodbyeffluxoftimeorpriortermination;

“ProjectAgreement”shallmeanConcessionAgreementandanyotherlegaldocumentsasmutuallyagreedtobet weentheGSCDCLandtheSuccessfulBidder,necessaryforimplementingtheProject.

“ProjectCompletionPeriod”shallmeanthetotalperiodinwhichtheconstructionoftheproject(asperthedesign s)andcertifiedbyAuthorityoritsnominatedagency.

“RequestforProposalorRFP”shallmeanthisdocument.

“ServiceCertificate”meansadocumentthataccreditscompliancebythe“Concessionaire”withallrequirement sestablishedinthecontracttoallowtheparkingmanagementcompanytobeginoperations.

“ServiceCharge”meansanamountGSCDCLwillcompensatethe“Concessionaire”foroperationoftheParking System,subjecttoincentives.

“System”shallmeantheSmartParkingSystem.“SOP”shallmeanStandardOperatingProcedure.

“TwoWheelerParkingSlot”isdefinedastheindividualparkingspaceforone(1)motorisedtwo-wheeledvehicle.

“TechnicalCriteria”or“Criteria”shallmeanthecriteria stipulatedintheRFP, which is requiredtobe compliedbytheBidderbasedonhisTechnicalBidtobecomeeligibleforopeningandevaluationofhisCommercial Bid.

“UserAccount”meansarecordwiththe“Concessionaire”thatincludesauser’smobilephonenumber,oneorm orevehicelicensenumbers,andaprepaidbalancefromwhichtheusermaypayforParkingFeesandParkingFines.

“User”meanstheoperatorofavehiclewhoparksinon-street,off-streetandinamulti-

level Parking Lot operated by the "Concessionaire".

Any other term(s) not defined herein above but defined elsewhere in this RFP shall have the meaning(s) ascribed to such term(s) therein and shall be deemed to have been included in this Section.

3.2. Interpretation

In the interpretation of this RFP, unless the context otherwise requires:

- I. The singular of any defined term includes the plural and vice versa, and any word or expression defined in the singular has the corresponding meaning used in the plural and vice versa;
- II. Reference to any gender includes the other gender;
- III. Unless otherwise stated, a reference to a Clause, Sub-Clause, Paragraph, Subparagraph, Annex, Exhibit, Attachment, Schedule or Recital is a reference to a Clause, Sub-Clause, Paragraph, Subparagraph, Annexure, Exhibit, Attachment, Schedule or Recital of this RFP;
- IV. A reference to any agreement is a reference to that agreement and all annexes, attachments, exhibits, schedules, appendices and the like incorporated therein, as the same may be amended, modified, supplemented, waived, varied, added to, substituted, replaced, renewed or extended, from time to time, in accordance with the terms thereof;
- V. The terms "include" and "including" shall be deemed to be followed by the words "without limitation", whether or not so followed;
- VI. Any reference to a person shall include such person's successors and permitted assignees;
- VII. A reference to "writing" or "written" includes printing, typing, lithography and other means of reproducing words in a visible form;
- VIII. Any date or period set forth in this RFP shall be such date or period as may be extended pursuant to the terms of this RFP;
- IX. A reference to "month" shall mean a calendar month, a reference to "week" shall mean a calendar week and a reference to "day" shall mean a calendar day, unless otherwise specified.
- X. The terms "hereof", "Herein", "hereto", "hereunder" or similar expressions used in this RFP mean and refer to this RFP and not to any particular Article, Clause or Section of this RFP. The terms "Article", "Clause", "Paragraph" and "Schedule" mean and refer to the Article, Clause, Paragraph and Schedule of this RFP as so specified;
- XI. In the case of any conflict, discrepancy or repugnancy between the provisions of RFP documents, provision of the Concession Agreement shall prevail over and supersede the provisions of other documents.
- XII. The descriptive headings of Articles and Sections are inserted solely for convenience of reference and are not intended as complete or accurate descriptions of content thereof and shall not be used to interpret the provisions of this Agreement;
- XIII. All capitalised words and expressions used in the RFP but not defined therein shall have the same meaning as ascribed to them in the Agreement.

4. General Conditions

- I. This section should be read in conjunction with other sections of RFP. The words and expressions, which are defined in this Section of RFP i.e. Instructions to Bidders (ITB), have the same meaning when used in the other Sections of RFP, unless separately defined.
- II. The ITB sets out the bidding procedure and provides necessary details for the Bidder to prepare their Bid / s for the subject Project / s. The prescribed formats for submission of Bids are as per the Section-III of the RFP.

III. The Bidders are advised to submit their Bids complying with the requirements stipulated in the RFP document. The Bids may be rendered disqualified in case of receipt of incomplete Bids and/or the information is not submitted as per the prescribed formats.

IV. The prospective bidders are required to inspect the location of Smart Parking defined in **Annexure-1** and after inspection of the site of the proposed Smart Parking they may quote the rates. The Bidders submitting the Bid will be considered to have accepted all the terms and conditions and no further terms and conditions will be accepted. No enquiries in

written or verbal will be entertained with regard to acceptance / rejection of the Bid. Any attempt on the part of the Bidder to influence any official / officer of this Organisation will disqualify the Bid. Smart Parking locations shall be available on "as is where basis" as defined in Annexure-1 to the successful bidder. The prospective bidders should satisfy themselves as to the suitability of the proposed location of Smart Parking for purposes of erection / installation of System.

V. The grant of Concession; interest, ownership and rights with regard to Smart Parking System erected / installed by the Concessionaire for GSCDCL along with fixtures / fittings provided therein shall vest with the GSCDCL except that these will be operated and maintained by the Concessionaire during the Concession Period. The title, interest in and ownership of land remain with the land owning agency.

5. Introduction

I. With the growth of economy, vehicle has become a necessity in our daily life making the vehicle quantity increase dramatically. Vehicle brings convenience to people, yet parking causes serious problems because of poor management at the same time. For drivers and managers, traditional parking management has not met their needs in efficiency, security and performance. Therefore, the need for a Smart Parking System with high efficiency, low cost and high security is indispensable for people in the modern society.

II. GSCDCL - (the "Authority") envisages creation of state-of-the-art public infrastructure facilities with a principal view to establish Gwalior as a user friendly and Smart City. Effective parking management is an essential tool to facilitate the efficient use of road space and to ensure free passage for pedestrians, cyclists, public transport, and Users. In addition, appropriate parking fees can ensure that personal motor vehicle users compensate the city for the use of valuable land on which they park their vehicles. GSCDCL - (the "Authority") seeks to implement a Smart Parking System to improve parking operations, optimise usage of the available parking supply, and enhance the overall functioning of streets in the city. The new Parking System will employ an information technology (IT) backbone to facilitate greater transparency and efficiency in the collection of parking fees and enforcement operations.

III. Management structure -
The Concessionaire will establish, operate, and maintain the Smart Parking System. The Concessionaire carries out parking operations, including fee collection and enforcement on designated streets, Parking Lots and in No Parking Areas. The Concessionaire will create direct data links with the (Central Command Centre) so that GSCDCL can monitor the status of the parking system.

IV. Parking Areas -
GSCDCL will assign specific areas for Development, Implementation, Operation and Maintenance of Smart Parking Solution for on street, off street and in multi-level parking to the Concessionaire within Gwalior City. The Concessionaire will be responsible for Development, Implementation, Operation and Maintenance of Smart Parking and no-parking areas through clear signage and road markings. This signage will also display the applicable Parking Fee.

V. GSCDCL is now issuing "Request for Proposal" (RFP) and inviting online proposals from the eligible bidder for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for on street, off street and in multi-level parking on designated parking spaces (four wheelers, two wheelers and buses) in Gwalior on PPP mode.

elthroughtheportalwww.mpeproc.gov.in.

- VI. Parking Fee Payment Mechanism-
The Smart Parking System shall also include the option of cashless payment.
- VII. Payments are tied to a vehicle's license plate number, which is in turn used in the enforcement process to check whether the vehicle is paid or unpaid. A regular user will have the option of signing up for a User Account connected to a registered vehicle and mobile number(s) that can be used for Parking Fee payment anywhere in the city.

Sl. no.	Key Information	Details
1.	Project	Selection of Concessionaire For Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution For On Street, Off Street and Multi-Level Parking in Gwalior on PPP Model
2.	Authority	GSCDCL
3.	Project Components	<p>The design of Smart Parking Systems shall be safe, modern, innovative, technology driven, and cashless and shall ensure structural stability and safety as per the minimum development obligations provided in this RFP.</p> <p>Before execution / installation of the Smart Parking System, the Concessionaires shall prepare the designs and drawings of the each Smart Parking System as per the clauses of this RFP by certified structural engineer at his own cost.</p> <p>Facilitate the regular visit, of the GSCDCL officials and GSCDCL appointed consultant (if any), to the site during construction / installation of Smart Parking System.</p> <p>The minimum development obligation for development / installation of Smart Parking System with specifications including information and advertisement panel are provided in this RFP. These selected parking operators shall undertake the Smart Parking System development / installation and implementation strictly in accordance with the minimum development obligation.</p>
4.	Project Location	On-Street, Off-Street and Multi-Level Parking (As Per Annexure-1)
5.	Development Controls/ Guidelines	All applicable guidelines including Indian Road Congress Guidelines / National Highway Authority of India (NHAI) regulations and any other regulations issued by any other Statutory Authorities applicable within the jurisdiction of GSCDCL / MCG.

6.	Technical Specifications	Generally as per applicable BIS Codes and National Building code, Ministry of Road Transport and Highways (MORTH) regulations, Indian Road Congress Code (IRCC) and any other applicable Indian Standards or its equivalent. Few details provided in followed sections of this RFP document.
7.	Minimum Development Obligations (MDOs)	The Smart Parking System shall be installed and operationalised by the Concessionaire within Three (3) months from the agreement date / Date of Clear Site Handover from GSCDCL whichever is earlier in accordance with the RFP stipulations, Operate and Maintain the Project facilities as per the ISO-9001:2008 Standards or equivalent.
8.	Implementation Format	Public Private Partnership (PPP) Format.
9.	Authorization Format	Design, Build, Finance, Operate, Maintain and Transfer" (the "BFOMT") Basis

10.	Bid Eligibility Criteria	Bidders shall meet the Eligibility criterion defined in this RFP
11.	Bid Security- Earnest Money Deposit (EMD)	An amount of Rs. 5,00,000/- (Rupees Five Lakh only) Demand Draft (DD) or Bank Guarantee or FDR drawn from any Nationalised / Scheduled Bank of India in the favour of "Executive Director, GSCDCL" payable at Gwalior shall be submitted towards Bid security along with its complete Bid.
12.	Pre-condition for Signing Authorization Agreement	The Concession Agreements should be signed within 15 (Fifteen) days from the issue of Letter of Allotment (LoA). The following is the pre-conditions for signing of Concession Agreement: 1. Submission of Performance Security
13.	Performance Security	An irrevocable and unconditional Performance Security / Bank Guarantee from a Nationalised / Scheduled Bank payable at Gwalior for an amount Rs. 40,00,000/- (Rupees Forty Lakh only). The Performance Security shall be submitted by these selected Bidder prior to signing the Concession Agreement with GSCDCL. The Bank Guarantee shall be valid for at least 10 Year plus 180 Days.
14.	Concession Period	The Concession period will be Twelve (10) years, starting from the date of "Signing of the Concession Agreement" or 1st lot of clear site handover, whichever is later for project implementation, or so amended as per agreement between the parties. The Concessionaire shall install / erect all the Smart Parking System mentioned under this RFP document for a period of 10 (Ten) years.
15.	Minimum Concession Fee	The Concession Fee is Rs. 6,50,000 (Rupees Six Lakh Fifty Thousand Only) (exclusive of all taxes) per month.
16.	Handover of Sites	It is anticipated that GSCDCL shall ensure handover of each site ("parking lot") included within this scope to the concessionaire within span of three years, with the understanding that the entire set of 24 sites shall have to be completed and commissioned within a span of three years from the date of signing of the concession agreement.
17.	Moratorium Period	For each site that where GSCDCL ensures clear handover of the site to the concessionaire, i.e. site is handed over free from encumbrances and with unrestricted access through means of a formal letter of handover, a moratorium period of Three months shall be in effect within which the concessionaire shall make all construction and preparatory arrangements to start parking operations from such site. The Concession fee or part thereof shall become payable (or shall accrue) from the day the moratorium period lapses. GSCDCL will not charge the Concessionaire the Concession Fee for the moratorium period.

18.	Selection of Bidder	The selection of Successful Bidder will be done on H1 basis i.e. the highest concession fee quoted.
	Bid Validity	180 days from the due date of Bid submission

5.1. Enforcement

5.1.1. Parking Sites

The Concessionaire shall provide enforcement officers who shall carry out enforcement through random spot checks. In on street, off street and in multi-level parking, officers will scan license plate numbers and license number using handheld devices. In the event of a vehicle user not having paid the Parking Fee, the enforcement officer will take a photo of the vehicle, notify the Parking system, and immobilize the vehicle. The vehicles shall be released only upon payment of the fine to a designated and competent authority, against receipt only. Enforcement officers will not collect fines directly. To aid in enforcement activities, the Concessionaire will also provide vehicle detection sensors for all on street, off street and in multi-level parking to track and monitor the arrival and departure of every vehicle that parks in a designated Parking Spot.

5.1.2. No Parking Area

In the event that a vehicle user is parking or has parked in a No-Parking Area, the parking enforcement officers will notify the Traffic Police, and tow/clamp/immobilise the vehicle. A User must pay the applicable parking fine to the Traffic Police, after the payment of fine a vehicle will be handed over to the owner. The Concessionaire has to deploy the tow truck or vehicle immobilisation through clamping for effective enforcement of parking, the GSCDCL based on the enforcement plan submitted by Concessionaire will suggest the number of tow trucks for effective enforcement of parking. The Concessionaire has to engage the traffic police for effective enforcement of inside parking and in No Parking areas. The vehicle towing charges, at the time of this agreement coming into effect shall be **for 2 wheelers - Rs. 200/- (Rupees Two Hundred Only) & for 4 wheelers - Rs. 400/- (Rupees Four Hundred Only)**. These charges will be added to the cost of no-parking penalty, and shall accrue back to the Concessionaire, and adjusted through a suitable payment mechanism, viz, adjustment in amount of concession fees. The towing charges may be revised by government time-to-time.

5.2. Customer Information

The Smart Parking System will provide information to User through various media including the Internet, smart phone applications, web portal and on-street signages. User will be able to view real-time on-street, off-street and multi-level parking occupancies and applicable parking fee, enabling them to identify streets or lots with open spaces and applicable rates before planning their trips. The system will also provide maps indicating where parking fees are applicable. The system will make use of social media to keep city residents apprised of new regulations and smart parking system features.

5.3. Scope and Timeline

- The Parking Operator will cover all locations specified as per Annexure-1 in the city. The system may be expanded in subsequent phases; such expansion, if added to the scope of work(s) will be taken up on the same basis.
- The maximum time period for completion of the erection/installation of all Smart Parking Systems shall be three months (including rainy season) after handover of such a parking lot.
- GSCDCL hereby requests interested Parties to respond to this call for Requests for Proposal (RFP) to develop and operate the Parking System in Gwalior.

6. Overview of Project

GSCDCL hereby invites Bids for Selection of a Concessionaire for Design, Build, Finance, Operation and Maintenance of Smart Parking Solution for on street, off street, multi-level GSCDCL designated parking spaces (four wheelers, two wheelers, buses) in Gwalior on PPP model for the Concession period of 10 (Ten) years (including three month implementation period). Broadly the project includes following works:

- a) To provide and install smart parking solution at each on-street, off-street and multi-level parking locations for two wheelers, four wheelers and buses for every on street and off street parking, base station / gateway, network routers / switches, smart parking equipment with entry and exit station with RFID readers, automatic pay stations and boom barriers for off street and MLC parking. The Concessionaire has to install complete technology enabled smart parking system that pre-empt on-street, off-street and in multi-level parking violations.
- b) To provide and install necessary hardware and software for parking management and guidance system for on street, off street and multi-level car parking.
- c) To provide and install necessary LED signage (Small and large size-variable messaging sign board). spaces and other necessary information, at locations adjacent to each parking lot. Large size LED signage shall be conforming to IP55 standard. LED signage will be for guidance to public regarding availability of parking
- d) Set up and maintenance of Central Control Centre including Data Centre with appropriate hardware and software for viewing, analysing, storing and retrieval of the CCTV feed and monitoring and managing of Smart Parking provide live feed to GSCDCL;
- e) Smart Parking Mobile Application for parking services;
- f) Comprehensive operation and maintenance of all hardware and software installed for this project throughout Concessionaire period.
- g) To manage and collect revenue as per tariff fixed by Gwalior Smart City for all the parking lots (on street, off street and multi-level parking) defined in this RFP.
- h) To pay GSCDCL a monthly Concession fee till the expiry of the concession period.
- i) Provide tow truck to handle parking enforcement and to support GSCDCL / Traffic Police in collecting penalties as per Government policy.
- j) To provide single space identification with LED indicators for indoor parking displaying the availability of parking slots.
- k) Premium and valet parking facilities to be provided wherever required with mutual agreement with GSCDCL.
- l) Smart Parking Mobile Application and online portal for citizens to view parking and doing the required reservation.
- m) Intelligent Parking systems improved driver information and enrich the driving experience.
- n) The data produced help shape traffic behaviour, with the statistics being vital for city planning.
- o) Emissions and pollution are reduced as a result of reducing vehicles circling around looking for parking.
- p) Links to enforcement systems could help improve parking compliance.

7. Scope of Work

7.1. Terms of Contract

The Concessionaire will install, maintain, and operate an IT-Based Smart Parking System to collect parking fees in the assigned Parking Sites of the city. Technical specifications for specific components are described.

The Concessionaire shall carry out the following activities:

7.1.1. **CivilconstructionWork**

MinimumfollowingconstructionworkshallbepreformedbySuccessfulbiddertodeveloptheparkingareas beforeoperationofparkinglots.

- i. Supply,layingandfixingofapprovedchequeredprecastcementconcretetiles of18-20mmthickinparkingareas,jointedwithneatcementslurrymixedwithpigmenttomatchtheshade oftilesincludingrubbingandcleaningetc.completeon20mmthickbedofcementmortar1:4(1cement:4coarsesand).
- ii. Providingandlaying,atorneargroundlevelfactorymadekerbstoneofM-25gradecementinpositiontotherequiredline,levelandcurvaturejointedwithcementmortar1:3(1cement:3coarsesand)includingmakingjointswithorwithoutgrooves(thicknessofjointsexceptatsharpcurveshallnotmorethan5mm)includingmakingdrainageopeningwhereverrequired completeetc.as per direction of Engineer-in-charge. (Precast C.C. kerbstoneshallbeapprovedbyEngineer-in-charge).
- iii. Dismantlingofflexiblepavement(bituminouscoursesandRCCslab)bymechanicalmeansanddisposalof dismantledmaterialuptoaleadof1000meters,asperdirectionofEngineer-in-charge.
- iv. ConstructionofdryleanementconcreteSub-baseoverapreparedsub-gradewithcoarseandfineaggregateconformingtoIS:383,thesizeofcoarseaggregatenotexceeding 25mm,aggregatecementationottoexceed15:1,aggregategradationafterblendingtobeasper table ofMoR&THspecifications600-1,cementcontentnottobelessthan200kg/cum,optimummoisturecontenttobedetermineddurin gtriallengthconstruction,concretestrengthnottobelessthan10MPAat7days,mixedinabatchingp lant,transportedtosite, laidwithpaverwiththeelectronicsensor/mechanicalpaver,compactingwith8-10tonnesvibratoryroller,finishingandcuring.
- v. Providing&fixingretroreflectorizedcautionary,mandatory&informatorysignasperIRC 67madeofencapsulatedlenstypereflectivesheetingvideclause801.3,fixedoveraluminumsheetin g1.5mmthicksupportedonamildsteangleironpost75mmX75mmX6mm(heightfromcrownleve loftheroad&bottomofthesignboardshallnotbelessthan1.5m)firmlyfixedtothegroundbymeansof properlydesignedfoundationwithM15gradecementconcrete45cmX45cmX60cm,60cmbelowthe groundaspertheapproveddrawingincludingpaintingofverticalpostasper specification.
→ParkingSignBoard(600X600mmSquare)
→NoStoppingNoStandingSign(600mmCircular)

7.1.2. **CustomerService**

- a) TheConcessionaireshallestablishcustomerserviceplatformsforthesmartparkingsystem,including, butnotrestrictedtoacallcentre,website,smartphoneapplications,physicalkiosk,todisseminateinfor mation,assistwithregistrations,andaddressgrievances.
- b) CarryoutmarketingactivitiestodisseminateinformationabouttheParkingSystem.

7.1.3. **Legal**

- a) BearallapplicableNational,Stateandlocaltaxesonpurchaseofequipment.
- b) Getthenecessarylicensesandclearancesfromrelevantauthorities,forprocessingpaymentsandrunti ngtheroperationstofulfiltherequirements oftheSmartParkingSystem.
- c) IndemnifyGSCDCLanditsofficers,employees,agentsandconsultantsforanyacts,errors,loss,omissio nsincludingthirdpartyclaimsarisin goutoforinconnectionwiththeSmartParkingsystem.
- d) Bearallapplicableinsurance,includingvehicleinsuranceandpassengerinsuranceasrequiredunder:

- Any Financing Agreements
- Laws of India
- Such Insurances as may be necessary in accordance with the Prudent Utility Practices.

7.1.4. **Other Conditions**

- A. The Concessionaire shall develop and maintain Smart Parking only on the earmarked sites by GSCDCL. Any violation shall result in cancellation of the contract.
- B. Concessionaire to bear all expenses: The Concessionaire shall incur all expenses related to civil, electrical, automation and all material works within the site that are part of or incidental to creating of a smart parking lot. Under No circumstances GSCDCL shall bear any charges related to the installation, erection or maintenance of equipment at Smart Parking. The
- C. Concessionaire to bear all expenses: The Concessionaire shall incur all expenses related to civil, electrical, automation and all material works within the site that are part of or incidental to creating of a smart parking lot. Under No circumstances GSCDCL shall bear any charges related to the installation, erection or maintenance of equipment at Smart Parking. The Concessionaire shall have to get the structural plans approved by the Structural Engineer of good reputed duly approved by GSCDCL, at his own cost.
- D. Electrical connection or solar panel/ system shall be used at Smart Parking. No generator or running on diesel/ petrol/ kerosene or any bio fuel would be allowed for providing power for illumination. Electrical connections at Smart Parkings shall be in accord with the relevant Indian Standards. Concessionaire has to obtain all the permits and connections or any other permit required to obtain from any other government department/ agency, GSCDCL will provide all support to Concessionaire on a best effort basis in this regard. Any delay in obtaining the required permits is solely the responsibility of Concessionaire only.
- E. The electrical installation work shall be performed by a licensed electrical worker in accordance with the applicable laws and the relevant electricity supplier's requirements.
- F. While installing the equipments or during the Concession Period, the Concessionaire shall not cause any damage to any street furniture/ pavement of the street, in any manner whatsoever.
- G. The equipments shall be structurally sound and maintained in good and properly secured condition. A Structural Engineer practicing in the field of structural engineering shall certify the structures. Concessionaire will be solely responsible for any structural inadequacy or any damage or casualty, accidents that happen at Smart Parking. The Concessionaire has to submit the structure soundness certificate of the Smart Parking every year in the office of GSCDCL.
- H. The supporting structures shall have a non-reflective finish to prevent glare.
- I. The Smart Parking equipments and structures shall be well maintained in such a manner that are consistent with, and enhance the ambience of the surrounding area.
- J. The Concessionaire shall be solely responsible for any injury or damage caused to or suffered by any person or property arising out of or relating to the Smart Parking System and the consequential claim or claims shall be borne by the Concessionaire who will also indemnify and safeguard the GSCDCL in respect of any such claim or claims. The Concessionaire of the Smart Parking System shall also be liable to buy insurance against public liability.

7.2. **Concession Period**

This Concession period is being granted for monitoring and enforcement of on the on-street, off-street and in multi-level parking in the assigned sites for a period of 10 (ten) years (Concession Period). This is inclusive of the moratorium period as described in 5 above, para 16 in table.

7.3. Training and Testing Period

During the Training and Testing Period, the Concessionaire shall make available its staff for the purpose of Training provided by GSCDCL. GSCDCL and Concessionaire shall use this period to understand the intricacies of operations and fine-tune the Smart Parking System. No fines shall be applicable during this period.

7.4. TimeLine

The Concessionaire will be expected to meet the following timeline: Indicative list of deliverables and timelines for Bidder:

S	Milestone/Deliverable	Time lines
1	Engineering and Design Report of each parking lot for approval	T+ 2 weeks
2	Project Implementation Plan and SOPs for Operations and Maintenance of parking lots keeping the requirements defined in this RFP as priority.	T+ 2 weeks
3	SOPs for Control and Command Center and its integration with other systems.	T+ 6 weeks
4	SOPs for various Parking services (regular, overnight, weekly, monthly, valet, premium, online, and mobile application)	T+ 10 weeks
5	Establishment of the System as per RFP and agreement with GSCDCL	T+ 12 weeks
6	1 st Monthly Progress Report (The next Monthly Progress Report will be published 1 month or 4 weeks later than 1 st report; i.e. 2 nd on T1+08 weeks, 3 rd on T1+12 weeks and soon) These reports will continue for complete 10 (ten) years of O&M period. These reports will have details of the parking venues covered, overall number of parking executed, parking executed by category, revenue collected, etc. Form of the report is to be discussed and prepared by the Concessionaire in consultation with GSCDCL and approved by GSCDCL.	T1 + 4 weeks

Note:

- T is the date of handing over one parking lot.
-
- T1 is the date of start of operations after Go – Live based on the agreed and approved Implementation Plan with GSCDCL.
- T1 will be decided based on the mutual agreement of GSCDCL and the bidder. It will be after the required approval of the Implementation plan, SOPs by GSCDCL, and after the establishing of minimum required systems is complete as per satisfaction of GSCDCL.

8. Team Composition & Qualification Requirements for the Key Personnel

The bidder is expected to provide, at

NOTE: Bidder is required to submit profiles of key resources as defined in technical evaluation criteria of this RFP in the format as provided in this RFP as part of the technical bid.

S.No	Profile	Minimum Number of Deployment	Basic Qualification Criteria	Min. Experience Required
1	Parking Attendants	40	SSC/10 th Pass	Overall industry experience of 6 months to 1 Year
2	Security Guards	40	7 th Standard Pass	Overall industry experience of 1-2 Years
3	Drivers for tow trucks	7	10 th Pass with Badge and appropriate driving License	Experience of 2+ Years
4	Helpers for Tow-Truck	7	7 th Standard Pass	Experience of 1+ Year
5	Operations Manager	4	Any Degree	Experience of 5-6 Years.
6	Sr. Manager-Operations	2	Any Degree	Experience of 7-8 Years.
7	Enforcement Attendants	20	SSC/10 th Pass	Experience of 1+ Year
8	Tech. Support Engineers	5	Diploma	Experience of 1+ Year
9	Manager-Technical	1	B.E/B.Tech	Engineering with 5-6 years experience or

9. Concession Period

- Concession period shall be for 10 (Ten) years as per following detail.
- Signing of Concession Agreement within 15 days from the date of issue of Letter of Allotment (LOA).
- Period of Construction and Installation of Smart Parking will be Three (3) months from the date of clear handover of site by GSCDCL.
- However, the Concessionaire shall commence the parking operations immediately after receiving the work order from GSCDCL and after Three (3) months, Concessionaire shall start paying the minimum Concession Fee as prescribed to GSCDCL.
- Concession period will be 10 (Ten) years, including moratorium and implementation period as defined in this RFP.

10. Concession Fee

- a) The Minimum Concession Fee for consideration by GSDCL shall be ₹ 6,50,000 (Rupees Six Lakh Fifty Thousand Only) per month in the manner prescribed. Applicable Taxes, if any, shall be paid by the Concessionaire.
- b) The Bidder whose Financial Bid has the highest quoted monthly **Concession Fee** payable to the GSDCL for the Project ("H1 Bidder") shall be the Successful Bidder.

11. **Payment Terms**

- a) The minimum Concession Fee may be changed (increased or decreased), in proportion to the change (increase/decrease) in number of ECs in parking lots given to the Concessionaire.

For the purpose of determining increase or decrease, the following calculation principles shall be used:

ECs that are gained or lost for any reason, shall be calculated for as follows: For

parking space for two-wheeler: Rs. 2,400 per annum, or Rs. 200 per month;

For parking space for four-wheeler: Rs. 4,800 per annum, or Rs. 400 per month;

- b) Provision of enhancement of base parking fee rates (Rs 5/entry for two wheelers and Rs 10/entry for cars) by 20% every fourth year (remains constant for three years) with the flexibility of annual increase also subject to a maximum of 20% over three years.
- c) Provision of advertising rights for an area of 100 sqm (~1,076 sqft) at all parking locations with a similar enhancement of base advertising fee by 20% every fourth year (as above for parking base fee).
- d) In case of decrease in parking fees by GSDCL, the Concessionaire may request GSDCL to rework the minimum Concession fee. The GSDCL may reduce the minimum Concession fee earned to be shared with GSDCL in such cases.
- e) The Concessionaire shall pay all duties and taxes arising out of or in connection with its obligations under the Concession Agreement, and the Concession Fee shall not be set-off or revised for such costs.
- f) The Concessionaire shall pay Concession Fee to GSDCL on monthly basis by the 7th day of the subsequent month throughout the Concession Period, along with necessary detailed reports related to the Concession Fee and proof for submission of taxes and duties, as applicable.
- g) Failure to pay the Concession Fee in time will attract an interest of 18% per annum compounded quarterly on the entire amount of unpaid Concession Fee payable for the entire period starting from the date on which such payment was due till the date of actual payment. In case of non-payment of Concession Fee for a period of two subsequent months, GSDCL will encash the Performance Security equivalent to the outstanding Concession Fee. Thereafter, the Concessionaire will have to submit the Performance Security of full amount within fifteen days from the date of such encashment. If the Concessionaire fails to submit the Performance Security of full amount within the said fifteen days, then GSDCL shall terminate the agreement and no compensation would be paid for the investment undertaken by the Concessionaire.
- h) The Concession Fee shall be paid on monthly basis throughout the Concession period. The Concession Fee is calculated based on minimum Concession fee as Rs. 6,50,000 (Rupees Six Lakh Fifty Thousand Only) (exclusive of all taxes) per month in the manner prescribed. The Concession Fee of the current month shall be paid by the 7th day of the subsequent month, along with necessary detailed reports related to the Concession fee.
- i) Rebates in concession fee on account of losses of availability of parking slots or lots: In case any parking slots or lots are rendered inoperable for a period of time on account of access being restricted to them through any action taken by the Nagar Nigam, GSDCL, any other line Department of the State, or any party other than the Concessionaire, the concession fee corresponding to those slots or lots shall be adjusted downwards by the following amounts:
 - For each two wheelers slot: Rs. 200 (Rupees Two Hundred) x [number of days the slot is not available divided by thirty]
 - For each four wheelers slot: Rs. 400 (Rupees Four Hundred) x [number of days the slot is not available divided by thirty]

videdbythirty]

Provided that the concessionaires shall record photographically such evidence that indicates that a part or whole of such parking lot was inoperable for the given period.

Provided that such rebates shall not apply to situations where any part or all of a parking lot was rendered inoperable on account of any action of the Concessionaire himself.

j)

Parking Rates: Parking rates for parking lots in GSCDCL area have been defined by GSCDCL. The Concessionaire shall charge rates for parking only as approved by GSCDCL from time to time. These rates are inclusive of any and all taxes / duties, etc., as applicable.

12. **Parking Fees, Fines & other rights of the Concessionaire**

12.1. **Fee Rates and Fine Rates**

GSCDCL will set Fee Rates and Fine Rates. The Parking Base Price has been set as follows:

For two-wheelers (including those fitted with accessories for differently abled people): Rupees Five per entry or 24 Hours whichever is less

For four wheelers (LCV & LMV only): Rupees Ten, Rupees Ten per entry or 24 Hours whichever is less. Nagar Nigam Gwalior may elect to revise these rates from time to time in exercise of its powers as defined in the Madhya Pradesh Municipal Corporations Act, 1956.

12.2. **Parking Fines Determination**

GSCDCL will set Fine Rates for non-payment of Parking Fees of at least four (4) times the applicable Parking Base Price (PBP).

Fine Rate For 4 Wheelers = 10 x Parking Base Price (PBP) Fine Rate

ate For 2 Wheelers = 10 * Parking Base Price (PBP) Where:

- PBP is the Parking Base Price for the respective vehicle type. The Concessionaire has to submit the enforcement plan for parking sites and for non-parking areas to GSCDCL, and same will be discussed with Traffic police for effective enforcement.

12.3. **Advertising rights**

The Concessionaire shall have, at each site handed over to it:

The right to install up to unipoles or information street furniture, which may offer up to 100 square meters of display area cumulatively at each site.

Provided that such unipoles shall not obstruct or obscure any information that is required being seen by users, administrator of the parking lot or GSCDCL.

And further provided that such installations shall be structurally safe, sound and not posing any kind of danger or impediment to any vehicle or other infrastructure assets such as cables, wires, access etc.

And further provided that the Concessionaire shall abide by instructions issued under Applicable Laws as regards installation of such unipoles and information street furniture with respect to display or safety from time to time.

GSCDCL shall ensure the grant of waiver of payment of advertising tax on such unipoles or information street furniture. However, other applicable taxes, such as GST shall be payable by the concessionaire. Advertisement will be with reference to Madhya Pradesh Outdoor Advertisement Media Rules-2016, subject to the approval of GSCDCL.

12.4. **No other sources of revenue**

The Concessionaire shall not be entitled to any other source of revenue from any other activity such as lease of ground

or constructed space, or any activity carried out on the premises of the parking lot other than what has been specifically authorized in this agreement.

13. **Fine and Fee Collection**

The Concessionaire shall have the liberty to collect parking fees in a manner as deemed appropriate; such fees shall constitute part of the receipts such Concessionaire is entitled for.

Payment of fines and penalties shall be credited in full to a specified account established by GSCDCL. The Concessionaire shall not retain such receipts.

14. **Project Engagement Model**

The Engagement model is bifurcated into following two stages-

- Implementation Stage
- Operation and Maintenance Stage

14.1. **Implementation Stage**

14.1.1. **Implementation of Smart Parking System in Phases**

- a) Parking charges are to be collected by the Concessionaire by using any convenient mechanism, including, but not restricted to (i) cash, (ii) debit or credit cards, (iii) recognized mobile wallets, (iv) stored value cards, issued by the concessionaire, if so desired by him or her, (v) other contactless form of payments such as UPI, using a mechanism approved and recognized by the National Payments Corporation of India. Such levy shall be made from the date of handing over of the parking lots by GSCDCL to the Concessionaire on a sand where basis.
- b) The Concessionaire shall ensure that all cashless forms of payment as indicated above shall be active and at the disposal of customers within thirty (30) days from the date of handing over of parking lots. The Concessionaire may deploy a centralized platform to reconcile such payments from each parking lot for all parking slots.
- c) Within three months from the date of handing over of all parking slots or a lot, complete smart parking solution is to be implemented and operationalise as per scope defined in this RFP document.

14.2. **Operation and Maintenance Stage**

- a) Total Concession period is 10 (Ten) years from the date of clear 1st lot of clear site handover from GSCDCL with the successful Bidder.
- b) The Concessionaire will start operation and maintenance of all parking lots from the date of handing over of parking lots by GSCDCL to the Concessionaire.
- c) The Concessionaire shall operate, maintain and manage the complete Smart Parking System as designed and built under this RFP document, throughout the Concession period in accordance with this RFP document.

15. **Project Business Model**

- a) Parking charges are to be collected by the Concessionaire by using cashless payment mechanism from the date of handing over of the parking lots by GSCDCL to the Concessionaire on a sand where basis.
- b) The Concessionaire would pay to GSCDCL every month the quoted Concession Fee as quoted above throughout the Concession period, subject to minimum Concession fee of ₹ 6,50,000 (Rupees Six Lakh Fifty Thousand Only) (exclusive of all taxes) per month in the manner prescribed.

16. **Proposal Preparation Cost**

The Bidders shall be responsible for all the costs associated with the preparation of its Proposal and its participation in the bidding process, including all types of due diligence in the process. GSCDCL will not in any way be responsible or liable for such costs, regardless of the conductor or outcome of bidding.

17. **Due Diligence**

The Bidder is expected to examine all instructions, forms, terms and specifications in the RFP. The Bid should be precise, complete and in the prescribed format as per the requirement(s) of the RFP. Failure to furnish all information required by the RFP or submission of a Bid not responsive to the RFP in every respect will be at the Bidder's risk and may result in rejection of the Bid.

18. **Clarification on RFP Document**

In the event that any Bidder requires any clarification on the RFP, such Bidder are expected to send their queries to GSCDCL in writing by post, courier, e-mail or by facsimile at least 24 (twenty four) hours prior to the time of the Pre-Bid Meeting at the following addresses / fax number in order to enable GSCDCL to have an adequate notice of these queries so that the same may be addressed at the Pre Bid Meeting:

Executive Director,

Gwalior Smart City Development Corporation Limited, Gwalior M

unicipal Corporation,

Narayan Krishna Shejwalkar Bhawan, Cit

y Center,

Gwalior-474011, Madhya Pradesh.

Nothing in this section shall be taken to mean or read as compelling or requiring GSCDCL to respond to any questions or to provide any clarification to a query. GSCDCL reserves the right to not respond to questions it perceives as non-relevant which may be raised by a Bidder or not to provide clarifications if GSCDCL in its sole discretion considers that no reply is necessary.

No extension of Deadline for Submission of Bids will be granted on the basis of grounds that GSCDCL has not responded to any question or provided any clarification to a query.

19. **Amendment of Bidding Documents**

At any time before the Deadline for Submission of Bids, GSCDCL may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the RFP by amendment. Any amendments / modification to the RFP Document, which may become necessary for any reason, shall be through the issue of addendum(s) to the RFP which shall set forth the said amendments / modification thereto (hereinafter referred to as the "Addendum(s)"). If required, in order to allow prospective Bidders reasonable time in which to take the Addendum(s) into account in preparing their respective Bids, GSCDCL reserves the right to extend the Deadline for the Submission of Bids. However, no request from the prospective Bidder(s), shall be binding on GSCDCL for the same.

20. **Pre Bid Conference**

- a) A pre-bid conference will be held on the dates specified in the RFP(), at the office of the Executive Director, GSCDCL and the Potential Bidder / Bidder's designated representative(s) are invited to attend the same.
- b) Bidders are advised to contact GSCDCL to indicate whether or not they will attend and, if so, the number of attendees and their names, designation, etc., at least two (2) working days prior to the date of the pre-bid conference.

- c) The purpose of the pre-bid conference will be to clarify queries of the Bidders related to the Project and Projects site and RFP document, if any.
- d) Pursuant to the Pre Bid Meeting, the terms and conditions of the RFP Document will be frozen with or without amendments thereto as applicable.
- e) Non-attendance at the Pre-Bid Meeting will not be a cause for disqualification of a Bidder. However, the terms and conditions of the Addendum(s) will be binding on all the Bidders irrespective of their attendance at the Pre-Bid Meeting.
- f) GSCDCL may, at its sole discretion, extend the Deadline for Submission of Bids.
- g) The Bidders should submit the queries in writing or by fax or e-mail and the same should reach to GSCDCL at least two (2) working days before the pre-bid conference along with a soft copy of the same to GSCDCL by e-mail.
- h) Minutes of the pre-bid conference shall be hosted at the web portal, which will subsequently form an addendum to this RFP, as required.
- i) A pre-bid conference will be held:

21. Documents Constituting Bid

The documents constituting the Bid shall be as follows:

21.1. Technical Bid with Online Submission of Bid Security

In order that Bidder(s) qualify to bid for this RFP, Bidder(s) shall be liable to submit a Technical Bid in the form and manner set forth in the RFP Document along with all documents required to be submitted as per the said Annexure including without limitation to any Memorandum of Understanding and the Bid Security. The said Technical Bid shall be evaluated by GSCDCL in its sole discretion.

21.2. Financial Bid

The Financial Bid should be in the form and manner set forth in Annexure-18 and should comprise of all such documents and details mentioned therein.

22. Preparation of Bid

22.1. Language of Bid

The Bid prepared by the Bidder, as well as all correspondence and documents relating to the Bid exchanged by the Bidder and GSCDCL shall be written in English language only. However, in case Bidder chooses to enclose certain supporting document(s) in any language other than English, then the Bidders shall also enclose certified/ authentic translated copies of the same in English language. Any such document, which is not translated into English, will not be considered.

For the purpose of interpretation and evaluation of the Bids, the English language translation shall prevail.

22.2. Bid Currency

All prices quoted in the Bid shall be quoted in Indian Rupee(s) (INR).

22.3. Earnest Money Deposit ("EMD") or Bid Security

1. In terms of this RFP, a Bidder is required to submit EMD of Rs.500,000/- (Rupees Five Lakh Only) in the form of Fixed Deposit Receipt(s) / Bank Guarantee issued by any nationalized/ scheduled commercial bank in favor of "Executive Director, GSCDCL", payable at Gwalior.
2. The EMD of the Unsuccessful Bidder will be returned within 180 (One Hundred Eighty) days from the date of Bid Submission. The Bid Security, for the amount mentioned above, of the successful Bidder would be returned upon submission of Performance Bank Guarantee for an amount equal to Rs.40,00,000/- (Rupees Forty Lakh Only) in the format provided in Annexure 10

of the RFP.

3. No interest will be paid by GSCDCL on the EMD amount and EMD will be refunded to the all Bidders (including the successful Bidders) without any accrued interest on it.
4. The Bid submitted without EMD, mentioned above, will be summarily rejected
5. The EMD may be forfeited:
 - a. If a Bidder withdraws its bid or increases/decreases its quoted prices during the period of bid validity or its extended period, if any.
 - b. In case of a successful Bidders, if the Bidder fails to sign the contract in accordance with the terms and conditions.
 - c. If during the bid process, a Bidder indulges in any such deliberate act as would jeopardize or unnecessarily delay the process of bid evaluation and finalization.
 - d. If, during the bid process, any information is foul false/ fraudulent/ mala fide, and then GSCDCL shall reject the bid and, if necessary, initiate action.
6. The decision of GSCDCL regarding forfeiture of the EMD shall be final and binding upon Bidders.

In case the bidding process is not completed within the period of 180 Days, GSCDCL may request for extending the validity of EMD and accordingly EMD should be extended by the Bidder.

7. The Bid Security should be furnished in Indian Rupees (INR).

22.4. Consortium and joint ventures

Bidders shall be open to Bidders as Sole Bidder or consortiums (lead partner + one). In case of a consortium or joint venture, the lead member (which shall be single entity) shall be specified and fully empowered to represent the consortium or joint venture. The lead members shall have a minimum stake of 51% in the consortium/joint venture.

The following conditions for consortiums and joint ventures (JV) shall apply:

- a) Bidders are allowed to participate in the bidding through a consortium structure with two members. The members of the consortium are to be clearly identified at the time of bidding and any business/shareholding/other relationship between them is to be made clear.
- b) A Bidding Consortium is required to nominate a Lead Member for the purposes of interacting with GSCDCL. The nomination of the Lead Member shall be supported by notarized copies of Memorandum of Understanding and Power of Attorney signed by all the members on a stamp paper of Rs 100/- (One Hundred only), the format for which is supplied with this RFP. Any such agreements shall clearly specify the lead bidder and the consortium/partners with their respective roles and responsibilities if any in the Parking System.
- c) In case of the successful bidder being a consortium, the members of the consortium shall be required to incorporate a company under the Companies Act, 2013. The Concessionaire Agreement in such a case would be signed with the newly incorporated company. The lead member of the consortium would be required to hold, initially and at all times during the duration period of the Concessionaire Agreement, not less than 51% of the aggregate shareholding of the newly incorporated consortium company. The other member of the consortium would be required to hold, initially and at all times for during the duration of the Concessionaire Agreement, not less than 26% of the aggregate shareholding of the newly incorporated consortium company.
- d) A Bidder cannot be a member of more than one bidding consortium. An individual Bidder applying as a Single Bidder cannot at the same time be a member of any Consortium bidding under this RFP.
- e) Any changes and deviation of roles and responsibilities after the submission of Bid and before the execution of the Provider Agreement shall entitle GSCDCL to reject the Bid in its sole discretion.
- f) GSCDCL reserves the right to reject the Bid in case of change in the constitution of the consortium after the submission of Bid and before the execution of the Provider Agreement.

22.5. Authentication of Bid

The Bids will be received online on the portal. The Bid will be opened in the office of the Executive Director,

GSCDCL as mentioned in

NIT. If desired, the bidders or their duly authorized representatives may remain present at the time of opening of Bid.

The original and the copy of the Bid shall preferably be typed and shall be signed by a person or persons duly authorized by the Bidder. The person or persons signing the Bid shall initial all pages of the Bid.

22.6. **Validation of Interlineations in Bid**

Any interlineations, erasures or overwritings shall be valid only if the person or persons signing the Bid have authenticated the same with their respective signature along sides such interlineations, erasures or overwriting.

23. **Bidding Process / Submission of Bid**

- a) Duly filled and signed Bids should be submitted online and one physical copy of Technical Bid addressed to the Office of the Executive Director, Gwalior Smart City Development Corporation Limited, Gwalior Municipal Corporation, Narayan Krishna Shejwalkar Bhawan, City Center, Gwalior-474011, Madhya Pradesh, hard bound, in the sealed cover duly superscribed with Bid for **“Selection of Concessionaire for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for On Street, Off Street and Multi-Level Parking in Gwalior on PPP Model”**. This main outer envelope should contain a separate and sealed envelope inside – (A) Techno-commercial Bid, after online submission or before due date as mentioned in RFP.
- b) Bid should be submitted online or before due date as mentioned in RFP. The “Financial Bid” shall be opened of Technically Qualified bidders and they may attend the Bid opening proceedings, if they desire so. The rates should be kept valid for 180 days from the date of opening of the Techno Commercial Bids. If the Bidder withdraws his offer before the said date, the earnest money will be forfeited in full.
- c) The decision of the GSCDCL to this effect shall be final and binding on the Bidder(s). The bid will be opened in front of the Committee, at the Office of the Gwalior Smart City Development Corporation Limited, Gwalior Municipal Corporation, Narayan Krishna Shejwalkar Bhawan, City Center, Gwalior-474011, Madhya Pradesh, which will be informed at a later stage.

24. **Validity of Offer**

- a) The Proposal shall remain valid for a period not less than One Hundred and Eighty (180) days from the date of opening of financial bid (Offer Validity Period). GSCDCL reserves the right to reject any Proposal that does not meet this requirement. Validity of proposal shall be extended for a specified additional period at the request of GSCDCL.
- b) A bidder agreeing to the request will not be allowed to modify the proposal, but would be required to extend the validity of its EMD for the period of extension.

25. **Site Visit and Verification of Information**

- a) While preparing the Bid, the Bidders shall consider the information provided in this RFP in totality and is expected to examine carefully the contents of all the documents provided. Failure to comply with the requirements of the RFP will be at the Bidder's own risk and may lead to disqualification of the bid as being non-responsive.
- b) The technical details given in Sections of this RFP are based on the site status and assumptions

of GSCDCL. However, the Bidders shall be wholly responsible for all the details of their Bids, the physical and site conditions, etc. In essence, after the Bid is submitted, the Bidders shall be the 'owner' of all the data, which forms the basis of the Bid and shall have no claims whatsoever on GSCDCL or its agencies or its Advisors regarding the accuracy of the data or designs, information, etc. furnished in the RFP.

- c) It would be deemed that prior to the submission of the Proposal, the Bidder has:
 - I. Made a complete and careful examination of requirements and other information set forth in this RFP document.
 - II. Examined all the relevant information as it has received from GSCDCL in respect of the project.
- d) Made a complete and careful examination to determine the difficulties and matters incidental to the performance of its obligations under the Concession Agreement, including but not limited to:
 - I. The Project Site(s)
 - II. Availability of suitable materials and technology for construction and operation.
 - III. All other matters that might affect its performance under the Concession Agreement
- e) Bidders shall carry out any surveys, investigations etc. at their own cost and risk,
- f) Bidders are encouraged to submit their respective Proposals after visiting the earmarked locations and ascertaining for themselves with the site conditions, traffic, location, surroundings, climate, access to the sites, availability of information with the GSCDCL, Applicable Laws and regulations or any other matter considered relevant by them.

26. Project Site

- a) GSCDCL hereby undertakes to hand over to the Agency physical possession of the Project Site as per Annexure- 1 for the purpose of implementing the Project but subject to the rights of GSCDCL.
- b) The project shall commence within Thirty (30) days from the signing of the contract date of Agreement and the handing over of site shall be linked to agreed erection / installation schedule.
- c) GSCDCL confirms that upon the Project Site being handed over pursuant to the preceding para, the Concessionaire shall have the right to enter upon, occupy and use the Project Site and to make at Concessionaire costs, charges and expenses such development and improvements in the Project Site as may be necessary or appropriate to implement the Project and to provide the Project Facility subject to and in accordance with the provisions of this RFP.
- d) Under no circumstances, the Concessionaire shall not use the project site for any purpose other than the purposes of Smart Parking.

27. Local Conditions

- a) Each Bidder is expected to become fully acquainted with the local conditions and factors, which may affect the performance of the contract and / or the cost.
- b) The Bidder is expected to know all conditions and factors, which may have any effect on the execution of the contract after issue of letter of Award as described in the bidding document. The GSCDCL shall not entertain any request for clarification from the Bidder regarding such local conditions.
- c) It is the Bidder's responsibility that such factors have been properly investigated and considered before submitting the proposal. No claim, what-so-ever, including that for financial adjustment to the contract awarded under the bidding document will be entertained by the GSCDCL. Neither any change in the time schedule of the contract nor any financial adjustments arising there-of shall be permitted by the GSCDCL on account of failure of the Bidder to know the local laws / conditions.

28. Scope of Bid

- a) The Gwalior SMART City Development Corporation Ltd (GSCDCL) invites online Bid for **“Selection of Concessionaire for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for On Street, Off Street and Multi-Level Parking in Gwalior on PPP Model”**.
- b) The Bidders are expected to submit their Bid Security online only on **www.mpeproc.gov.in: Envelope I**
- :
- a) Technical Bid comprising of Technical Presentation on Technology, Capability Statement of the Bidder and Project Undertakings for meeting the Minimum Development Obligations, Other mandatory document listed in the bid summary towards demonstrating the bid eligibility criteria, etc., Development Controls and Technical Specifications provided in Section II of the RFP (Refer Section-III of the RFP for the Formats)
- b) Bidder’s Eligibility Criteria

The Bidders shall meet the following minimum eligibility criteria’s: General requirement: The Bidders shall be either:

- I. Proprietorship, or
- II. Partnership Firm, or
- III. Limited Liability Partnership Firm
- IV. Company-Public or Private Ltd
- V. Registered cooperatives societies
- VI. Consortiums (lead partner + one)

29. Contents of Bids

1. Complete bidding process will be online (e- Bidding) in three covers system. Submission of Bids shall be in accordance to the instructions given in the Table below:

Particulars	Instructions
Cover 1	Proof of submission of RFP Document Fee and Scanned copy of EMD The original hard copy of the EMD should also be submitted as prescribed in RFP information sheet
Cover 2: Pre-Qualification Proposal and	The Pre-Qualification and Technical Qualification proposal shall be prepared in accordance with the requirements specified in this RFP and the formats are prescribed in the RFP Pre-Qualification and Technical Proposal should be submitted through online bid submission process and also in Hard Copy as per mentioned in the RFP Information Sheet.
Financial Proposal	The Financial Proposal shall be prepared in accordance with the requirements specified in this RFP and in the formats prescribed in the RFP. Financial Proposal should be submitted through online bid submission process only. Highest Concession fee quoted, shall decide the Successful Bidder.

Note: GSCDCL will conduct the bid evaluation based on documents submitted through online e-tendering portal. In case of any discrepancy between the documents submitted online and hard copy, the particular submitted online shall prevail.

2. The following points shall be kept in mind for submission of Bids;
 - a. GSCDCL shall not accept delivery of Bids in any manner other than that specified in this RFP. Bid delivered in any other manner shall be treated as defective, invalid and rejected.
 - b. The Bid should be comprehensive and inclusive of all the services to be provided by the Bidder as per the scope of work and in accordance with the terms and conditions as set out in the Contract.
 - c. GSCDCL may seek clarifications from the Bidder on the technical proposal. Any of the clarifications by the Bidder on the proposals should not have any commercial implications.

- d. Technical Proposal shall not contain any financial information.
- e. If any Bidder does not qualify the qualification criteria stated in **Section 32.1** (Pre-Qualification Criteria and Technical Qualification) of this RFP, the technical and financial proposals of the Bidder shall not be opened in the e-tendering system. Similarly, if the Bidder does not meet the technical evaluation criteria, the financial proposal of the Bidder shall be unopened in the e-tendering system. It is required that all the proposals submitted in response to this RFP should be unconditional in all respects, failing which GSCDCL reserves the right to reject the proposal.

30. **Proprietary Data**

(a) All documents, reports and other information provided by GSCDCL or submitted by the Bidder to GSCDCL shall remain or become the property of the GSCDCL. The Bidder, as the case may be, are to treat all information as strictly confidential. GSCDCL will not return any Proposal or any information related thereto. All information collected, analysed, processed in whatever manner provided by the Bidder to GSCDCL in relation to the project shall be the property of GSCDCL.

(b) However, the Bidder shall protect the intellectual property that they own or control (e.g., general professional experience, tools or third-party software) and that is reflected in deliverables. The Bidder shall specifically preserve the right to use the methodology or the material underlying it for other engagements, as long as Bidder does not use or disclose GSCDCL confidential or pre-existing proprietary information.

31. **Tests of Responsiveness**

Prior to evaluation of Bids, the GSCDCL shall determine whether each Bid is responsive to the requirements of this RFP document. A Bid shall be considered responsive if:

- (a) It is received as per the format defined in RFP document.
- (b) it is received by the Bid Due Date including any extension thereof pursuant to Clauses of this RFP;
- (c) it is signed, sealed, bound together in hard cover and marked as stipulated in Clauses of this RFP;
- (d) it is accompanied by the Earnest Money Deposit (EMD);
- (e) it is accompanied by the Power(s) of Attorney, if applicable;
- (f) it contains all the information (complete in all respects) as requested in this RFP document (in format same as those specified);
- (g) it quotes complete scope of Work as indicated in the RFP documents, addendum (if any) and any subsequent information given to the Bidder;
- (h) it does comply with all the Technical specifications and General Terms and conditions; (i) it does not contain any condition or qualification;
- (j) the Bidder has submitted all additional information or clarification as sought by GSCDCL within the prescribed period; (k) Bids without duly signed integrity pact; and
- (l) it is not non-responsive in terms thereof.

32. **Eligibility Criteria**

In order to be qualified technically, the Bidder must meet both the Technical Eligibility Criteria and the Financial Eligibility Criteria as detailed below.

32.1. **Pre-Qualification Criteria and Technical Qualification**

The Bidder/s shall possess prior experience in parking management transactions in order to be

considered technically qualified:

Sr. no.	Parameters	Requirement Description	Supporting evidence required
1	Entity	Bidders should be registered entity with minimum 5 years of existence. I. Proprietorship, or II. Partnership Firm, or III. Limited Liability Partnership Firm IV. Company - Public or Private Ltd V. Registered cooperative societies VI. Consortiums (lead partner + one)	Copy of the certificates such as: • Certificate of Incorporation / Establishment Certificate • PAN Card • Service Tax Registration Certificate • Submit a copy of the deed of partnership (In case of partnership firm)
2	Experience of the bidder	Bidder must have experience of three similar completed or ongoing projects of parking management System with Minimum contract value of Rs. 50 Lakhs and with the following criteria: a) Parking Systems with a combined total of at least fifty thousand (50,000) User payment transactions over the previous two years (2014-15 & 2015-16) through an explicit contract / Concession b) Experience of managing at least fifty (50) field staff in Parking over the previous two years (2014-15 & 2015-16) through an explicit Contract / Concession. c) Experience of operating two or more multi-location Parking Systems in the previous two years (2014-15 & 2015-16).	Project completion certificate / Detailed Work Award (DWA) Order from Customers of the referred projects.
3	Certificate	Bidder having Quality Certification Appropriate ISO 9001:2008	Bidders shall submit Copy of the certificate
4	Black-listed certificate	The Bidders should not have been black-listed or defaulted by any Central / State Government or Public Sector undertaking in India, declaration to this effect shall be uploaded.	Self-declarations shall be uploaded.

5	Turnover	Bidders should have a turnover of Rs .3 crores per year for at least three consecutive financial years between 1st April 2013 to 31st March 2017	Certified copies of Audited Financial statements providing the Turnover details for at least three consecutive financial years between 1st April 2013 to 31st March 2017, viz. 2013-14, 2014-15, 2015-16 and 2016-17 shall be submitted for the same.
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Note:

- (a) The bidder who is a defaulter or blacklisted by GSCDCL before the date of opening of techno-commercial Bid cannot participate in the Bidding.
- (b) The Bidder who has not paid the license fee to GSCDCL of previously allocated parking sites by GSCDCL cannot participate in the Bidding.
- (c) The bidder has to submit an undertaking that he/ she is/ was not associated with any such agency/ organization (As described in above point 'a' and 'b') directly or through any of his relative or sister concern.
- (d) Only those bidders who meet the pre-qualification criteria specified above will be eligible to respond to this RFP. The bidder's pre-qualification proposal shall contain the relevant information and supporting documents to substantiate the eligibility of the bidder vis-à-vis the pre-qualification criteria.
- (e) Apart from these documents statement of legal capacity (as per Annexure-11 of this RFP) is required by the sole bidder or all members of the consortium.
- (f) Bidder will also be required to submit Joint Bidding Agreement (as per Annexure-9 of this RFP) and Power of Attorney (as per Annexure-13 of this RFP) in case of Consortium (with maximum of 2 partners - 1 lead bidder and 1 consortium members).
- (g) In order that Bidder(s) qualify to bid for this RFP, Bidder(s) shall be liable to submit a Technical Bid in the form and manner set forth in Annexure of this RFP Document along with all required documents.
- (h) The Bidder whose Financial Bid has the highest quoted monthly concession fee payable to the GSCDCL for the Project ("H1 Bidder") shall be the Successful Bidder.

33. Selection Process

33.1. Technical Evaluation Criterion

Bidders who meet the pre-qualifications / eligibility requirements would be considered as qualified to move to the next stage of Technical and Proof of concept (POC) and financial evaluations. Project Evaluation Committee (PEC) will evaluate the Technical Proposal of the Pre-qualified bidders as per the following criteria. Bidders whose score 70 or above mark shall only be considered qualified and move to the next stage of Technical and Proof of concept (POC) and financial evaluations and for financial bid opening.

Sr. No.	Parameters	Maximum weightage
1	Proof of Concept (PoC) / Live Demo of Proposed End-To-End Integrated Smart Parking System	5

2	Bidders Turnover for three consecutive financial years between 1st April 2013 to 31st March 2017.	10
	Rs.3Cr. to Rs.5Cr.- 5 Mark Rs.5Cr. To Rs.10Cr.- 7 Marks Above Rs.10Cr.-10 Marks	
3	<p>Bidder must have experience of three similar completed or ongoing projects of parking management System with Minimum contract value of Rs.50 Lakhs and with the following criteria:</p> <p>a)</p> <p style="padding-left: 40px;">Parking Systems with a combined total of at least fifty thousand (50,000) User payment transaction over the previous two years (2014-15 & 2015-16) through an explicit contract/Concession.</p> <p>i. 3 Projects-7 marks</p> <p>ii. 2 Projects-5 marks</p> <p>iii. 1 Projects-3 marks</p> <p>b)</p> <p style="padding-left: 40px;">Experience of managing at least fifty (50) field staff in Parking over the previous two years (2014-15 & 2015-16) through an explicit Contract/Concession.</p> <p>i. More than 80 Field Staff-5 marks</p> <p>ii. More than 60 Field Staff-3 marks</p> <p>iii. More than 50 Field Staff-1 mark</p> <p>c)</p> <p style="padding-left: 40px;">Experience of operating two multi location Parking System in the</p>	15
4	Implementation and operation of Mobile Application for smart parking ;	5
	1 no. Mobile Application Project- 2 marks 2 no. Mobile Application Projects- 3 marks 3 no. Mobile Application Projects-	
5	Implementation and execution of Central command centre for Smart parking with full functionalities in one location;	10
	1 Project-5 marks 2 or More projects-10 marks	
6	<p>Approach & Methodology including but not limited to the following:</p> <p>a) Mapping of Approach & Methodology as per the Scope of Work requirements.</p> <p>b) Proposed Business Model (Cost effective & Viable)</p> <p>c) Proposed updated technology with less human intervention</p>	10
7	<p>Technical Presentation- 25 marks Bidders Capabilities- 5 Marks Proposed Smart Parking Solutions-10 Traffic Management Plan during implementation phase-10</p>	25

8	POC-10marks Proof of Concept (PoC) / Live Demo of Proposed End-To-End Integrated Smart Parking System. IT Enabled Enforcement (Inside Parking and In No Parking Areas) Cash less Payment Mechanism	20
Total		100
Note	<p>Presentations should include following:</p> <p><i>Bidders Capabilities and Experience</i></p> <ul style="list-style-type: none"> • Solution Proposal Offered in term of Overall Architecture; Solution Design; Phase-wise Implementation Plan; Pricing and Revenue Simulation and Models; Support and Maintenance. The Bidders should also propose method of project execution. The detailed implementation approach for the proposed model along with appropriate justification should be presented by the bidder. <p><i>Proposed Smart Parking solution in Adequacy and appropriateness of</i></p> <ul style="list-style-type: none"> • Proposed end-to-end Solution coverage including near-futuristic requirements • Proposed Architecture and Design considerations • Proposed multiple Pricing and Revenue Simulation and Models. • Proposed integrations with critical internal/ external systems. • Proposed Implementation and Deploy Plan. • Proposed Support and Maintenance Plan. • Contingency Plan for Disaster Management situations. • Quality and Test Management Plan. • Environmental friendly on Safety and Security features. • Technology measurement and know-how transfer arrangements. • Overall conformance to stipulated requirements. <p><i>Traffic Management Plan during implementation phase:</i></p> <ul style="list-style-type: none"> • Adequacy of traffic management plan during construction. • Efficiency of circulation plan within and around Parking Facility. • Efficiency of Pedestrian movement plan. • Adequacy of emergency traffic plan. <p><i>Proposed Smart Parking System in Adequacy and appropriateness of</i></p> <ul style="list-style-type: none"> • Proposed end-to-end Solution coverage including near-futuristic requirements. • Proposed Architecture, Design, Layout and Material considerations. • Proposed Implementation and Deploy Plan. • Proposed Support and Maintenance Plan. • Quality and Test Management Plan. • Proposal on Environmental friendly features. • Technology measurement and know-how transfer arrangements. • Overall conformance to stipulated requirements. <p><i>Process Methodology on</i></p> <p><i>Deployment of end-to-end processes and tools during implementation and Support and Maintenance phases.</i></p> <p><i>Adoption of MIS/ Dashboards for tracking and monitoring of the system implementation and maintenance.</i></p> <ul style="list-style-type: none"> • Resources Optimization. <p><i>Education and Training of stakeholders.</i></p>	

33.2. **Technical Scoring and Evaluation:**

(a) For the purpose of arriving at Technical Score, the bid shall be evaluated against the Technical Parameters, with respective marks allocated, as given in RFP document.

(b) The Total Technical Score will be calculated out of 100 marks. The Bidder has to score the following minimum Qualifying Marks to qualify in the Technical Evaluation Criteria:

- **Seventy(70) marks** out of total 100 marks of Technical Evaluation criteria.

(c) The Bidders scoring marks less than the minimum qualifying marks as mentioned above shall be disqualified for Financial Bid Opening. The Bidders scoring marks equal to or more than the minimum qualifying marks as mentioned above shall be declared as Technically Qualified Bidders.

(d) However, based on the quantum of qualified proposals, it is the discretion of The Authority to decide the cut-off (lower than 70) marks of Technical evaluation for qualification of Bidders. The Bidders whose score is equal to or more than cut-off marks will be considered qualified for financial bid opening and evaluation.

34. **Proposed Technical Solution for Project**

Technical Solution Proposed for the Project

(Approach, Methodology, Project Management, Execution Methodology, and SLA Management)

Broad areas to be covered in the Technical Solution documentation are given below:

(a) Bill of Material (i.e., Un-

priced Financial Bid format): This document should give indication of all the proposed cost components, without specifying the costs. Bidders should note that the bid shall get disqualified if Bidder gives priced details in the technical document.

(b) Describe the proposed Technical Solution for each of the initiative, namely parking guidance and management solution for off-street, on-street and MLC parking in a structured manner. Following should be captured in the same:

- I. Detailed description of the design and technical solution and various applications and components including make of equipment or sizing of infrastructure (including diagrams and calculations wherever applicable);
- II. Reasoning for selection of the proposed technology over other options;
- III. Extent of compliance to technical requirements specified in the scope of work;
- IV. Technical Design and clear articulation of benefits to GSCDCL of various components of the solution.
- V. Strength of the Bidder to provide services including examples or case studies of similar solutions deployed for other clients;
- VI. Any other parameter.

(c) Provide detailed Approach and Methodology for Implementation and Post-Implementation periods.

(d) Approach and Methodology for Management of SLA Requirements specified in the RFP document. Bidder is required to clearly articulate how each of the SLA requirements would be adhered in a table format.

(e) Detailed Project Plan with timelines, resource allocation, milestones, etc., in _____ for supply, installation and commissioning of the physical and IT components for the Smart parking, Central Control Centre including data centre and networking.

(f) Insights into Best and latest Industry practices and standards.

35. **Evaluation for Bidder**

(a) The Bidder whose Financial Bid has the highest quoted monthly Concession Fee payable to the GSCDCL for

heProject(“H1Bidder”)shallbetheSuccessfulBidder(Concessionaire).

(b) IntheeventthattwomoreBidderssecureexactlythesameConcessionFeeinrespectoftheProject,thentheSuccessfulBidder(Concessionaire)willbeselectedinthefollowingmanner:

I.

TheBidderwhoseTechnicalScoreishighestfortheProjectamongssuchBiddershavingsameConcessionFee willbedeclaredasSuccessfulBidder(Concessionaire).

36. AppointmentofConcessionaire

(a) AfterselectionofSuccessfulBidderintermsofClausesofthisRFP,aLetterofAward(the“LOA”)shallbeissuedbytheGSCDCLtotheSuccessfulBidder(Concessionaire)andtheSuccessfulBidder(Concessionaire)shall,withintheseven(7)daysofthereceiptoftheLOA,signandreturntheduplicatecopyoftheLOAinacknowledgementthereof.IntheeventtheduplicatecopyoftheLOAduallysignedbytheSuccessfulBidder(Concessionaire)isnotreceivedbythestipulateddate,theGSCDCLmay,unlessitconsentstoextensionoftimeforsubmissionthereof,appropriate the Earnest Money Deposit of such Bidder as Damages on account of failure of the Successful Bidder (Concessionaire) to acknowledge the LOA.

(b) IssueofLetterofAllotment(LOA)shallnotbeconstruedasanyrightgiveninfavouroftheSuccessfulBidder, andGSCDCLreservestherighttoannultheprocessofaward,including signingofconcessionagreement,ofthisprojectwithoutanyliabilityoranyobligationforsuchannulment,andwithoutassigninganyreasonsthereof.

(c) UponissueofLOAtotheSuccessfulBidder,GSCDCLwillreleasetheEMDofallBidders,excepttheSuccessfulBidder(Concessionaire)

(d) AfteracknowledgementoftheLOAasaforsaidbytheSuccessfulBidder(Concessionaire),itshallcausetheSuccessfulBidder(Concessionaire)toexecutetheConcessionAgreementwithintheperiodprescribed.TheSuccessfulBidder(Concessionaire)shallnotbeentitledtoseekanydeviation,modificationoramendmentintheConcessionAgreement.

37. TermoftheConcessionAgreement

ThetermofthisConcession Agreementshall beaperiodof12(Twelve)fromthedateofsigningofthisAgreementorhandingoverofParkinglotswhicheverislater.TheConcession Periodshallnotbeextendedbeyond10(Ten)years.

38. EarnestMoneyDeposit(EMD)

(a) TheBiddersarerequiredtosubmitEarnestMoneyDeposit(EMD)of Rs.5,00,000/ (Rupees Five lakhs only) be deposit onlineonwww.mpeproc.gov.in or throughDemandDraft(DD) or FDRdrawnfrom any Nationalised / ScheduledBank of India in the favour of “Commissioner,MunicipalCorporationGwalior”payableatGwalior.Bids not accompanied by earnestmoney are liable for summaryrejection.

(b) TheearnestmoneyofsuccessfulbiddershallbereturnedoncetheSuccessful Biddersubmitstheperformancesecurity.TheEMDofunsuccessfulBidder(s)shallberefundedonlyafterawardofcontracttothesuccessfulbidder.NointerestwillbepaidontheEMD /Securitydeposit.

(c) TheExecutiveDirector,GSCDCLreserves its right to makerecovery of claims, if any, from theEMDdepositedagainststhisBid.

(d) EarnestmoneyshallbeliabletobeforefeitedbytheExecutiveDirector,GSCDCLoranyotherofficialauthorisedbytheCommissioner,GSCDCLongroundifthebidarewithdrawnbytheBidder(s)beforeopeningtheBid orwithin180daysoftheopeningoftheBid.

(e) Anyoffer,whichisnotaccompaniedbytherequisiteEarnestMoneyDeposit,shallberejectedoutright.

(f) TheEMDshallhoweverbeforefeitedinthefollowingcases:

I. Ifthebidderwithdrawsitsproposal(offer)duringtheintervalbetweentheProposalDueDateandexpirationoftheProposalValidityPeriod;

II. IfthesuccessfulbidderfailstounconditionallyaccepttheLetterofAcceptanceinwriting,withinthetimesp

ecified in this document, or any extension thereof granted by GSCDCL

III. If the successful bidder fails to sign the Concession Agreement and / or make the performance security within the time specified in this document, or any extension thereof granted by GSCDCL.

39. **Performance Security**

(a) The Concessionaire shall have to submit the Performance Security deposit in form of a Bank Guarantee in favour of Executive Director, GSCDCL by a Scheduled / Nationalised bank for an amount of Rs. 40,00,000/- (Rupees Forty Lakhs), to the GSCDCL within 15 (fifteen) days from the date of receipt of Letter of Allotment.

(b) In case of a Consortium, the Lead Bidder of Consortium shall be liable to pay Performance Security. Performance Security shall be valid for Six (6) months beyond the term of the Concession Agreement. The Performance Security shall contain a claim period of Six (6) months from the last date of validity.

(c) In case, the Successful Bidder fails to submit Performance Security within the time stipulated, the GSCDCL at its discretion may cancel the Letter of Allotment issued to the Successful Bidder without giving any notice and may invoke the EMD of such Successful Bidder.

(d) The Performance Security will continue and shall be valid during the entire Concession period of 10 (Ten) years.

(e) The amount of Performance Security as Security deposit shall be forfeited if the Concessionaire abandons or fails to perform the contract at any time during the Concession Period. Further, if it is observed at any time during the Concession period that the party has submitted fake / bogus documents in Bid to gain the contract then the contract shall be terminated and performance security shall also be forfeited.

(f) The amount of the performance security as security deposit shall be forfeited if the Concessionaire fails to perform the contract at any time and in such other events as are elsewhere provided in the contract.

40. **Release of Performance Security**

The Performance Bank Guarantee will be released only after meeting all of the following conditions:

(a) After successful implementation of this project;

(b) Successful managing, operation and maintenance of all the services under this agreement;

(c) Payment of all the penalties throughout implementation, operation and maintenance period;

(d) Payment of all Concession fees as per agreement along with penalties, if any;

(e) At the end of the Concession period, Performance Bank Guarantee of Concessionaire will be released after successful handing over all the parking lots, assets and services, including all hardware, software, network and services in working conditions. If any deficiency is noticed at the time of handing over the Concessionaire has to get rectified / replaced the same at his own cost within fifteen (15) days otherwise GSCDCL will get it rectified at the risk and cost of the Concessionaire.

(f) On production of clearance for all applicable dues, if any.

41. **Signing of Concession Agreement**

(a) Subsequent to GSCDCL issuing Letter of Allotment (LoA) to the Successful Bidder, the Successful Bidder shall execute the Concession Agreement with the GSCDCL within a period of one month from the date of issue of the Letter of Acceptance subject to the condition that the Performance Security has been deposited by the Successful Bidder within the prescribed period.

(b) Failure of the Successful Bidder to furnish the Performance Security or execute the Agreement within the prescribed time shall cause the EMD of the Successful Bidder to be liquidated. The Successful Bidder will be liable to indemnify GSCDCL for any additional cost or expense, incurred on account of failure of the Successful Bidder to execute the Concession Agreement.

(c) Notwithstanding anything to the contrary mentioned above, GSCDCL at its sole discretion shall have the right to extend the timelines for execution of Concession Agreement on the request of the Successful Bidder, provided the same is bona-fide.

42. **Disputes Resolution System**

1. No dispute can be raised except before the Competent Authority (Chief Executive Officer-GSCDCL) in writing giving full description and grounds of Dispute. It is clarified that merely recording protest while accepting measurement and/or payment shall not be taken as raising a dispute.
 2. No issue of dispute can be raised after 45 days of its occurrence. Any dispute raised after expiry of 45 days of its first occurrence shall not be entertained and the Employer shall not be liable for claims arising out of such disputes.
 3. The Competent Authority shall decide the matter within 45 days.
 4. Appeal against the order of the Competent Authority can be preferred within 30 days to the Appellate Authority (Executive Director-GSCDECL). The Appellate Authority shall decide the dispute within 45 days.
 5. Appeal against the order of the Appellate Authority can be preferred before the Madhya Pradesh Arbitration Tribunal constituted under Madhya Pradesh Adhikaran Adhiniyam, 1983.
- a) The contractor shall have to continue execution of the works with due diligence notwithstanding pendency of a dispute before any authority or forum.

43. **Disqualification**

EventhoughtheBiddermeetsthepre-qualifyingcriteria,theycouldbedisqualifiediftheyhave:

- (a) SubmittedtheBidafterthedatementionedinadvertisement.
- (b) Mademisleadingorfalserepresentationsintheforms,statementsandexperiencessubmittedinproofofthe qualificationrequirements.
- (c) SubmittedtheBid,whichisnotaccompaniedbytherequireddocumentsorisnon-responsive.
- (d) Failedtoprovideanyclarificationsrelatedthereto.
- (e) WherethebidderhasalreadysubmittedtheBidandisamemberofentity,whichhasalreadysubmittedtheBid,o rviceversa.
- (f) Ifanymemberofanentityisreplacedorwithdraws,exceptwithoutpriorwrittenpermissionofGSCDCLatany stage.
- (g) Thesuccessfulbidderisnotallowedtosub-leaseetheassignedparkingspaces.
- (h) Violatesanyotherconditionmentionedhereinbefore/hereinafter.
- (i) IfanysuchinformationwhichwouldhaveentitledGSCDCLtorejectordisqualifytheBidder,becomesknown afterthe bidderhas beenpre-qualified,GSCDCLreservestheright tocancelpre-qualificationofthebidderatanylaterstagetoo,withoutassigninganyreasonthereof.
- (j) WheretheBidderisaJointVenture/Partnershipfirmorananyentity,GSCDCLmaydisqualifytheentireentit yforanyofthereasonssetoutabove,evenifitappliesinrespectofonlyonememberoftheConsortium/JV.
- (k) Bidderswhocanvassorattempt toinfluencethepre/post -qualificationor selectionprocessshallnecessarilybedisqualifiedfromtheprocessatanystage.
- (l) Wherethebidderhas beendeclaredasdefaulteror blacklistedbyGSCDCL/MunicipalCorporationGwaliorbeforethedateofopeningoftechnocommercialBid.

44. **MaintenanceofallSmartParkingsduringConcession Period**

a)MinimumMaintenancetobeensuredbytheConcessionaire:TheConcessionaireshallbefullyresponsiblefor theMaintenanceandupkeepofalltheSmartParkingsfromthedateofhandingovertherights.

- I. TheConcessionairehastoaderetotheoperationandmaintenancepoliciesandprocedures,asdefinedi ntheSOPsduringfirst stage oftheproject andapprovedbyGSCDCL,formanagingandoperatingtheProject.Thisincludes(butnotlimitedto)appro achrelatedtomanpower,resources,vendormanagement,security,customerservice,repairandmainte nanceandotherprimaryfunctions,usermanuals,technicalmanuals,financialmanagement,riskmana

gement, life / safety management, employee management and administrative policies and procedures. It also includes the key elements of a management plan for this project to include considerations for customer service improvement, enhanced economic impact generation, which is the key to this project operation.

- II. The Smart Parking shall be structurally sound and maintained in good and properly secured condition. The equipments and variable messaging boards shall, at all time, be erected, fixed and retained in all respect to the satisfaction and in accordance with the requirement prescribed by the Commissioner, GSCDCL or his authorised officer. On completion of the Concession period or its pre-determination for any reason whatsoever, including surrender by the Concessionaire, the equipments and structures of the Smart Parking, shall become the property of the GSCDCL.
- III. Concessionaire will be responsible to deploy on-field resources for appropriate upkeep, maintenance, and operation of all equipment, hardware, and software components, and ensure smooth functioning of the project throughout the entire Concession period of Ten Years. The Bidder has to manage all on street and off street parking and collect revenue.
- IV. The comprehensive Operations and Maintenance (O&M) period for all sensors, devices, equipment and its related hardware, software, electrical and network infrastructure components supplied and installed for this project including configuration of servers, desktops, routers, switches, firewall, LED signage, parking sensors and various other active and passive components along with repair, replacement of parts, sensors, providing spare parts, updating, security alerts and patch updating, regular backup of the data etc. shall be upto a period of Ten years from the date of handing over of all agreed Parking lot to the Concessionaire. The Concessionaire shall provide comprehensive on-site warranty for all the hardware items and peripherals throughout the Concession period.
- V. The Concessionaire shall depute adequate manpower as full time dedicated on site team. The team shall be deputed to identify, acknowledge, troubleshoot, manage, replace and repair the hardware / system software. The team shall undertake day-to-day troubleshooting and maintenance requirements for this project
- VI. The team shall be also responsible for regular monitoring of all the equipment, proactively perform warranty checks, and generate Service Level Agreement reports from the SLA monitoring tool.
- VII. The team shall be required to take regular backup of the application data as per the frequency defined by GSCDCL. Security and safety arrangements for safe custody of the backup data shall also be the responsibility of Concessionaire.
- VIII. The Concessionaire shall ensure that the team has appropriate skill-sets for managing networking, hardware and application software tools.
- IX. All patches and updates to any software and hardware devices shall be provided by the successful Bidder without any additional costs throughout the tenure of the Concession Agreement.
- X. Periodic Revenue audit by site in charges should be conducted monthly and third party audit by Regional team appointed by the Concessionaire and Quality Audit to be performed half yearly by the Concessionaire and relevant report to be submitted to the authorities of GSCDCL.
- XI. There has to be Functional and Behavioural Training to be provided to the staff once a year by the Concessionaire and relevant report to be submitted to the authorities of GSCDCL. These reports will be part of the quality audit reports.
- XII. Insurance coverage for the Parking lots upto Rs. 1,00,00,000 Cr (Rupees One Crore Only) covering the all the damage or theft of the vehicle and injury to any personnel in the parking lot. Any claim related to damage or theft of the vehicle and injury to any personnel in the parking lot are responsibility of the Concessionaire only.
- XIII. All statutory compliances like Labor License, Professional Tax registration, Coverage of all applicable employees under ESI and PF act to be taken care by the Concessionaire.
- XIV. General maintenance, upkeep and cleanliness of the parking lots is the responsibility of Concessionaire.
- XV. Any damage to the street, foot-path, tiles, curb-stones, central verge or any other ancillary structures, during up-

gradation/repair/maintenance/operationoftheSmartParkingSystem,including supporting structures, shall be the sole responsibility of the Concessionaire, which shall be made good by the Concessionaire, as per existing specifications, at its own cost.

- XVI. The Concessionaire shall take all precautions to avoid any accidents during up-gradation/repair/maintenance/operationoftheSmartParkingSystem, electrical fittings and fixtures. If any accident occurs during up-gradation/repair/maintenance/operationoftheSmartParkingSystem fittings and fixtures, the Concessionaire shall be directly responsible for the damages or any other consequences, whatsoever and GSCDCL shall be kept free of all such liabilities and the Concessionaire shall indemnify GSCDCL in case of any liability is imposed to it. Proper arrangements shall be made by the Concessionaire to avoid any hindrance to the traffic during up-gradation, repair, maintenance and operation of the Smart Parking System. Diversion of traffic, if required, shall be arranged by the Concessionaire as per traffic police requirements at his own cost
- XVII. During the entire term of contract the Smart Parking System structures should be kept clean, well painted and rust/corrosion free.
- XVIII. The Concessionaire should ensure that nobody else pastes their Steaker or post on Smart Parking System. If any such things happen then the Concessionaire should ensure that they lodge a Police FIR against it.
- XIX. The lighting arrangement at the Smart Parking System should be functional at all times. Electrical safety to be ensured for users as well as Concessionaire staff.
- XX. All equipments and structural members of Smart Parking System are to be inspected and maintained in good condition as per the Maintain manual.
- XXI. Security of all Smart Parking System is the responsibility of Concessionaire including the lighting arrangement.

45. **Taxes**

- (a) The Concessionaire shall be responsible for all the income tax, statutory taxes, statutory dues, local levies, Goods & Service tax, etc., to be paid to Government / Statutory bodies / Authorities, etc., for the services rendered by it. There will be no tax liability upon the GSCDCL whatsoever on any account.
- (b) The Concessionaire indemnifies GSCDCL from any claims that may arise from the statutory authorities in connection with this License.
- (c) The Concessionaire should ensure enforcement of Applicable Laws including Labour Laws, Minimum Wages Laws, etc., and at no point of time should the GSCDCL be drawn into litigation on these counts. The Concessionaire however undertake to indemnify GSCDCL in case of any liability is imposed to it

46. **Roles and Responsibilities**

46.1. **GSCDCL**

GSCDCL agrees to observe, comply and perform the following:

- (a) The Concessionaire shall develop and maintain Smart Parking only on the earmarked sites by GSCDCL. Any violations shall result in cancellation of the contract.
- (b) Concessionaire to bear all expenses: The Concessionaire shall incur all expenses related to installation, erection, Civil Construction, Electrical Installation of the Smart Parking System and Structural design of Smart Parking System, designed and certified by Structural Engineer, the certified structural design and drawings submitted by Concessionaire shall be further verified by GSCDCL. Under No circumstances GSCDCL shall bear any charges related to the installation and erection and maintenance of the Smart Parking System. The Concessionaire shall have to get the structural plans approved by the Structural Engineer of good reputed duly approved by GSCDCL, at his own cost
- (c) Minimum space required for installation of Gateway, Switches, Routers, Cameras, LED/LCD displays, etc., for smart parking services will be provided free of cost by GSCDCL. However, any Civil / Electrical work required

will be the responsibility of the Concessionaire at this cost.

- (d) The Concessionaire is also allowed to install the Outdoor Media Device i.e. MUPI/information panel only on off-street parking and in multi-level parking locations, subject to the approval of GSCDCL. The maximum space allowed to install the information panels will be 100 square feet only at Off-site and MLC. Any violations shall result in immediate cancellation of the contract without any prior notice.
- (e) The format for advertisement will only be MUPI/Informational panels of defined size only with reference to Madhya Pradesh Outdoor Advertisement Media Rules-2016, subject to the approval of GSCDCL.
- (f) The advertisement rights will be assigned only when Smart Parking System will be completely installed on all he assigned locations.
- (g) GSCDCL will provide only built-up space for setting up of Central Control Centre and Concessionaire have to arrange data points and incur all the cost associated with setting up of Central Control Centre.
- (h) At the end of the Concession period, all rights given to the Concessionaire shall be terminated automatically.
- (i) GSCDCL shall provide single window clearance, where GSCDCL has full control and jurisdiction, to the Concessionaire for the purpose of this RFP document.
- (j) Areas for no parking and towing are to be defined by GSCDCL in consultation with Traffic Police department.
- (k) Parking yard for towed vehicle less shall be provided by GSCDCL. However, the same shall be managed by the Concessionaire.
- (l) If any civil work required to be done, the Concessionaire has to submit the design and drawing of the same along with detailed estimate as per the UAD Defective SOR and after obtaining approval from GSCDCL.

46.2. **Concessionaire**

The Concessionaire role, responsibilities and obligations relating to the Project are provided herein below:

- (a) Design, develop, provide, install, manage, operate and maintain the smart parking system as defined under clause 4, as per the Service Level Agreement (SLA) throughout the Concession period. Penalty will be imposed as per SLA in the Penalty Clause of this RFP document for non-adherence of the terms and conditions of the RFP.
- (b) Operate, maintain and manage all hardware, software and services covered in this RFP document throughout the Concession Period.
- (c) The Concessionaire shall provide connectivity (electrical, network, etc.) within the parking area to all devices / equipment, such as LED signage including variable message sign boards, sensors, boom barriers, entry / exit systems, handheld device (fall back device), auto pay station, manual pay station, Central Control Centre, built / installed under this RFP document, and running, maintenance, operation and management cost of these devices / equipment throughout the Concession Period.
- (d) The Concessionaire will be responsible for all civil and installation work related to network connectivity, power supply extension to devices, installation of devices and equipment, and any other networking, communication, and infrastructure requirements related to any work under this RFP document.
- (e) Watch and ward of the assets / services created in this project. The Concessionaire has to replace the material(s) / equipment(s) / device(s) in case of any theft or loss due to any other reasons, which affects the services / assets under this project.
- (f) Concessionaire shall arrange FTTH / broadband connection at each of the parking lot to bring parking related data on real-time basis.
- (g) Erect suitable steel structures at its own cost for installation of LED signage for parking guidance and management system. These structures / poles shall be of stainless steel, and aesthetically designed and structurally stable and as per GSCDCL specifications. The Concessionaire shall also indemnify GSCDCL for any damage due to such structures.
- (h) May utilize street light poles, with prior permission from GSCDCL, for installation of repeaters / Gateways, s

witches / routers as necessary and used exclusively for the purpose of this project, without compromising the aesthetic sense and strength of pole.

(i) GSCDCL will be the owner of all dismantled existing equipment from the parking lots and all such equipments shall be handed over to GSCDCL, not later than a fortnight from the date of such dismantling.

(j) Engage adequate battery bank to ensure uninterrupted power supply to all hardware (equipment, devices, etc.) covered under this RFP document.

(k) All physical assets created under this RFP as per Bill of Materials (BoM), will become the property of GSCDCL at the end of Concession Period or at termination of the Concession, whichever is earlier, and the Concessionaire will not have any legal right on these assets.

(l) At the end of the Concession Period of 10 (Ten) years of O&M, the Concessionaire shall hand over all physical assets belonging to GSCDCL in proper working condition. In case of any deficiency noticed at the time of such handing over, the Concessionaire has to get it rectified at his own cost within 15 days of such handing over, otherwise, GSCDCL will get it rectified at the risk and cost of the Concessionaire. Performance Security of Concessionaire will be released only after successful handing over of the all physical assets in working condition to GSCDCL.

(m) Any damage to other services arising due to installation or execution or repair or maintenance work by the Concessionaire, shall have to be made good by the Concessionaire within seventy two (72) hours of such damage, failing which GSCDCL will issue a notice to Concessionaire asking for justification. Concessionaire will be required to respond to such notice within three (3) working days. In case it is found out that the current issue at hand is out of control of Concessionaire then the problem will be solved jointly by GSCDCL and Concessionaire based on their agreement. Else, Concessionaire will be required to do the needful within seventy two (72) hours of the decision made by GSCDCL.

(n) The location of Parking lots and area given under this RFP document is based on preliminary survey. Area and location may change while preparing detailed design and execution of this project. During the Concession Period, new parking lot(s) may be added by GSCDCL and the Concessionaire has to cover such lot(s) under the scope of this project with the agreed Parking Tariff.

(o) The Concessionaire shall pay Concession Fee to GSCDCL.

(p) Concessionaire to deposit BG / FDR / DD as a refundable security deposit with the GSCDCL as per the provision of this RFP, which will be released within nine months from the date of end of Concession Period, only upon successful completion of the work and settlement of all dues (unless the said amount is forfeited for any breach of contract) and that the said Security Deposit shall not carry any interest.

(q) For any complaint registration by users, provision shall be made by the Concessionaire in Smart Parking Mobile Application and in a web portal. Dedicated WhatsApp number / Helpline numbers shall be provided to users for any complaints / suggestions / feedback with regard to parking. The same shall be monitored by the Concessionaire and adequate responses shall be delivered to users within 48 hours. The Concessionaire shall provide a weekly report to the ED, GSCDCL every Monday on the number of complaints received during the previous week (Monday to Sunday) and the number of replies furnished by it to the complainants along with number of complaints on which no response has been made by the Concessionaire.

(r) The Concessionaire shall honour the 'Parking Passes / Stickers' issued by GSCDCL and will not charge any parking fees from the users of such vehicles having 'Parking Passes / Stickers' issued by GSCDCL. Such non-charging of parking fees by the Concessionaire shall have no interference on Concession Fee to be paid by the Concessionaire to the GSCDCL, and the Concessionaire cannot make any claim on the account of non-charging of parking fees from such vehicles. Such 'Parking Passes / Stickers' shall be valid on a calendar year basis. GSCDCL shall provide the database of passes / stickers (Vehicle Number, pass / sticker No., Type of Vehicle - Car, Scooter, Motorcycle, etc.) issued by it to the Concessionaire in the software provided by the Concessionaire for this purpose on real-time basis.

(s) Apply for road cutting permission to GSCDCL, in one-month advance, showing its requirements, layout plan for services to be laid, plan for restoration with timelines. GSCDCL will get it approved as per feasibility at site. The final route will be decided / approved by GSCDCL keeping in view the requirements of the Concessionaire and the site conditions. As such, any instructions / policy of GSCDCL, Government of MP and Government of India issued from time to time will be applicable on the Concessionaire.

(t) Restoration of roads, footpath, green portion, etc., will be done by the Concessionaire at its own cost as per plan approved by GSCDCL or within 15 days (whichever is earlier) from the date of any road cutting done by the Concessionaire or by GSCDCL in relation to the work for parking solution under this project. Restoration has to be done with the equivalent specifications provided by GSCDCL so that after restoration the aesthetics and purpose of use will not compromise. Restoration work shall be carried out as per CPWD specifications.

(u) The Concessionaire shall take metered electricity for parking sensors, gateway, router / switches, LED signage / displays, Parking guidance system and all systems for on-street, off-street and underground parking equipment, etc., and for all equipment installed in Central Control Centre. The entire electricity charges shall be borne by Concessionaire only.

(v) The Concessionaire shall integrate the Smart Parking Mobile Application and the web portal with the GSCDCL App, and with the GSCDCL Command and Control Centre, as and when such Command and Control Centre will be set-up by the GSCDCL by itself or through any other Concessionaire.

(w) At the time of completion of implementation period (i.e. three months from the date of handover of the parking lots to the Concessionaire by GSCDCL), the Concessionaire shall inform the GSCDCL in writing for the same along with a list of all the assets (details of equipment, software, services, etc.) deployed during the implementation period under this RFP document, including their costs. The Concessionaire shall update such assets list on yearly basis throughout the Concession Period.

(x) Ensure that all the vehicles will be parked in the space defined for each vehicle in the parking lot. The parking attendant will ensure proper parking of vehicles in each slot.

(y) The Concessionaire shall be responsible for any theft / damage / loss of vehicles parked in parking lots and shall be responsible for settlement of the dispute, if any, including under the Court of Law, and also follow all instructions and guidelines issued by Gwalior Police / statutory rules and regulations / GSCDCL for prevention of misuse of parking lots, including usage by anti-social elements, terrorist(s), etc.

(z) Responsible for the enforcement of parking and no-parking areas, removal of unauthorised parked vehicle from area, which is provided as Annexure-1, other than specified parking lots. The Concessionaire shall deploy Tow-Truck for towing of illegally parked vehicles in the parking area and in no-parking areas. Specifications / requirements of Tow-truck are defined in this RFP.

(aa) Undertake all measures for Cybersecurity, protection of information and communication technology systems of this project from cyber-attacks that are purposeful attempts by unauthorised persons to access ICT systems in order to achieve the target of theft, disturbance, damage, or other illegal actions. The Concessionaire will detect, analysis and mitigation of vulnerabilities and protect Central Control Centre including Data Centre from cyber-attacks throughout the Concession Period.

(ab) Propose additional measures to increase occupancy of parking lots. However, the Concessionaire will be required to take approval from GSCDCL before implementation of any measures to improve the parking efficiency.

(ac) Ensure at all times that the parking lots are utilised by cars, cabs, two-wheelers, and other small vehicles, but no heavy or medium commercial vehicles are parked in specified parking lots unless the parking slot / lot is dedicated to buses.

(ad) The Concessionaire will provide necessary support, data and other required information for integration of smart parking solution with Central Command and Control Centre of GSCDCL, as and when such Command and Control Centre will be set-up by GSCDCL by itself or through any other Concessionaire in future.

(ae) Responsible for and provide security at the parking lots, and shall report crimes in parking lots to Gwalior Police and GSCDCL without fail.

(af) The Concessionaire has to deploy the security staff on parking yard.

(ag) The GSCDCL will deploy Third Party Auditor to evaluate the Smart Parking System. The third party audit charges of smart parking system will be paid by Concessionaire only.

47. Electricity Connection

- a) GSCDCL will hand over the Smart Parking sites as per the RFP to the successful bidder. It will be the responsibility of the Concessionaire to install/erect and make arrangement for Electricity connection to Smart Parking sites as per rules and law or instructions issued by Union Govt. or M.P. Govt. or GSCDCL or any authority in this regard. The Concessionaire has to bear all the Maintenance cost of Smart Parking System including Electricity Bill etc. during the entire Concession Period. During the currency of the contract, Electricity consumption Bill of Smart Parking System shall be borne by the Concessionaire.

Further, any theft, mishandling of Electricity meter / fitting during the period of the contract, the licensee shall also bear the cost of the same. Further, it will be the responsibility of the Concessionaire to hand over the entire Smart Parking to GSCDCL on expiry / termination / surrender of contract as the case may be, in good condition and with full Electricity fitting. The proportionate deduction on account of missing Electricity fittings shall be made from the performance bank guarantee.

- b) Concessionaire will not be allowed to use Diesel Generator Sets for any purpose on the Smart Parking System. In case any D.G. Sets is found operating, directly or indirectly, the same will be seized by the GSCDCL and GSCDCL will have the right to impose penalty maximum upto Rs. 5000/- (Rupees five thousand only) per day or to terminate the contract without giving any notice. This action will be in addition to and without prejudice to other rights and actions taken by any government, Concessionaire under provision of law for unauthorized use of D.G. Set.

48. Compliance to Rules, Regulations, Instructions and Statutory Provisions

It will be the responsibility of the Concessionaire to ensure that all instructions / provisions issued time to time by GSCDCL, Madhya Pradesh Government, Electricity Company, PWD or any other department of the Union Govt. or M.P. Govt., or any other authority are strictly adhered to. Any violation of any lawful provision will be treated, as a violation of the terms and conditions of contract and action will be taken against the Concessionaire as per provision of the contract.

49. Concessionaire Responsibility for Public Liability and against all Claims, Losses etc

The Concessionaire shall indemnify the GSCDCL against all claims, actions, demands, losses, charges, and cost of expenses, which the GSCDCL has to incur, or which may occur on account of infringement of any of these conditions by the Concessionaire or on any other account whatsoever. The Concessionaire shall obtain a public liability policy of insurance in respect of GSCDCL allotted to him.

50. The Authority to Recover the Cost in Case of any Default

If the Concessionaire shall neglect or fail to do anything which he is required to do under the Provisions of the contract, the Commissioner, GSCDCL or any other authorised Person may serve a notice on the Concessionaire asking him to do the things agreed upon as aforesaid and on their neglect or failure to do as directed, cause the same to be done and recover the cost thereof from the Concessionaire without prejudice to any other rights, the GSCDCL may have on account of such default.

51. Termination of Contract on Breach

51.1. By GSCDCL

- (a) The GSCDCL may, by not less than 30 (Thirty) days' written notice of termination to the Bidder, such notice to be given after the occurrence of any of the events specified in this Clause, terminate this Agreement if:

- I. the Bidder fails to remedy any breach hereof or any failure in the performance of its obligations hereunder, as specified in a notice of suspension pursuant to Clauses of this RFP hereinabove, within 30 (Thirty) days of receipt of such notice of suspension or within such further period as the GSCDCL may have subsequently granted in writing;
- II. the Bidder becomes insolvent or bankrupt or enters into any agreement with its creditors for relief of debt or to take advantage of any law for the benefit of debtors or goes into liquidation or receivership whether compulsory or voluntary;
- III. the Bidder fails to comply with any final decision reached as a result of in accordance with the disputed redress mechanism pursuant to Clauses of this RFP hereof;
- IV. the Bidder submits to the GSCDCL a statement which has a material effect on the rights, obligations or interests of the GSCDCL and which the Bidder knows to be false;
- V. any document, information, data or statements submitted by the Bidder in its Proposals, based on which the Bidder was considered eligible or successful, is found to be false, incorrect or misleading;
- VI. as the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than 60 (sixty) days; or
- VII. the GSCDCL, in its sole discretion and for any reason whatsoever, decides to terminate this Agreement.

(b) In case of breach by the Concessionaire of any terms and conditions of the RFP or that of agreement, the Commissioner, GSCDCL shall have absolute right to terminate the contract without notice to the Concessionaire and cause the advertisements removed at the risk and cost of the Concessionaire and forfeit the Concession Fee for an expired period and the security deposit. The GSCDCL reserves its right to encash performance bank guarantee even before termination of the contract on breach.

(c) It is further agreed that the Concessionaire shall not commit any breach of the terms that the Smart Parking System shall be installed and operationalised by the Concessionaire within Three (3) months from the agreement date/Date of Clear Site Handover from GSCDCL whichever is earlier in accordance with the RFP stipulations.

(d)

(e) It is further agreed that the Concessionaire shall not commit any breach of the terms and conditions of the agreement and in the unlikely event of any other breach, the GSCDCL shall give notice calling upon the Concessionaire to rectify / remedy the breach, to satisfy the GSCDCL about there being no breach and satisfy the GSCDCL within a period of 30 days from the date of notice otherwise the GSCDCL shall be entitled to terminate the agreement without giving any further notice and in that event the GSCDCL shall be entitled to recover all its dues which can be adjusted from the dues of Concessionaire if any found due to him.

(f) It is further agreed that the Concessionaire has to handover the Smart Parking System in good condition including Electricity Connection and Electric Fittings. In case of any damage / loss / mishandling observed, expenditure occurred thereupon to make it in good condition would be deducted from the Security Deposit.

51.2. **By Concessionaire**

The Bidder may, by not less than 90 (ninety) days' written notice to the GSCDCL, such notice to be given after the occurrence of any of the events specified in this Clause, terminate this Agreement if:

(a) The GSCDCL fails to pay any money due to the Bidder pursuant to this Agreement and not subject to dispute pursuant to Clauses of this RFP hereof within 45 (forty five) days after receiving written notice from the Bidder that such payment is overdue;

(b) The GSCDCL is in material breach of its obligations pursuant to this Agreement and has not remedied the same within 45 (forty five) days (or such longer period as the Bidder may have subsequently granted in writing) following the receipt by the GSCDCL of the Bidder's notices specifying such breach;

(c) As the result of Force Majeure, the Bidder is unable to perform a material portion of the Services for a period of not less than 60 (sixty) days; or

(d) The GSCDCL fails to comply with any final decision reached as a result of arbitration pursuant to Clauses of this RFP hereof.

52. **Temporary or permanent disruption of parking lot operations**

The following clauses shall apply with respect to temporary or permanent disruption of one or more parking lot on account of unforeseen circumstances or action taken by any local authority.

52.1. **Closure or shifting of a parking lot**

Where it is, on account of unavoidable circumstances, no longer possible for a parking lot to continue operations, GSCDCL, or the Nagar Nigam, Gwalior shall under intimation to the Concessionaire, undertake to dismantle such installation.

Provided that GSCDCL, or the Nagar Nigam, Gwalior shall offer, on 'best effort basis', an alternative site for reestablishing such a parking lot.

In the intervening period, when a parking lot has been dismantled and either no new site has been assigned, or a new site is under preparation, the concession fee, proportional to what would have otherwise been receivable from the dismantled lot, shall be waived by GSCDCL. In case, GSCDCL, or the Nagar Nigam, Gwalior are unable to provide a suitable alternative to the dismantled site, the amount of concession fee, proportional to what would have otherwise been receivable from the dismantled lot shall be waived for the remainder of the concession period.

52.2. **Temporary disruption on account of external work**

Where Nagar Nigam Gwalior or GSCDCL carries out any work or exercises that temporarily disrupts the operation of any parking lot, by way of obstructing entry into or exit from such lot, the concession fee for the specific lot(s) shall be reduced for the period of inoperability as follows:

- For disruptions not exceeding more than three days, $1/6^{\text{th}}$ of the concession fee for the lot payable for the month
- For disruptions exceeding more than three days but not seven days, $1/4^{\text{th}}$ of the concession fee for the lot payable for the month
- For disruptions exceeding seven days but not exceeding 15 days, $1/2$ of the concession fee for the lot payable for the month.
- For disruptions exceeding 15 days, the entire concession fee for the lot payable for the month.

For the above clauses, the concession fee payable for the lot shall be computed as follows: [(Number of two wheelers spaces in the lot) + (Number of four wheelers spaced in the lot)]

[(Number of two wheelers spaces in the entire contract) + (Number of four wheelers spaced in the entire contract)]

Multiplied by the overall concession fee for the month.

53. **Transfer of Rights**

The Concessionaire shall not assign or transfer the rights hereby granted to, to any person or persons, firm or company whosoever or whatsoever in any manner including by way of subcontract, agency or in any other manner without intimating in writing to Commissioner GSCDCL.

54. **Acceptance / Rejection of Bid**

The Commissioner, GSCDCL reserves the right to accept or reject any Bid without assigning any reason.

55. **Jurisdiction of Court**

The courts located in Gwalior (M.P) only shall have the exclusive Jurisdiction to try and decide the matter / dispute between the parties.

56. **Written Agreement**

The Concessionaire will have to enter into an agreement with the GSCDCL for the proper fulfilment of the contract on lines similar to terms of the Bid or as modified or added by Commissioner, GSCDCL. Such Bidder shall have to furnish two non-judicial stamp paper Rs. 100/- each within ten days from the date of issue of offer letter. An Concession Agreement shall be executed only on furnishing the Performance Security as per clause of Performance Security.

All documents submitted by Concessionaire at the time of Bid will be the part of Concession Agreement.

57. **Entire Agreement**

This Agreement and the Annexes together constitute a complete and exclusive statement of the terms of the agreement between the Parties on the subject hereof, and no amendment or modification hereto shall be valid and effective unless such modification or amendment is agreed to in writing by the Parties and duly executed by persons specially empowered in this behalf by the respective Parties. All prior written or oral understandings, offers or other communications of every kind pertaining to this Agreement are abrogated and withdrawn; provided, however, that the obligations of the Bidder arising out of the provisions of the RFP shall continue to subsist and shall be deemed to form part of this Agreement.

Without prejudice to the generality of the provisions of above Clause, on matters not covered by this Agreement, the provisions of RFP shall apply.

58. **Force Majeure**

58.1. **Definition**

- (a) For the purposes of this Agreement, “**Force Majeure**” means an event which is beyond the reasonable control of a Party, and which makes a Party’s performance of its obligations hereunder impossible or so impractical as reasonably to be considered impossible in the circumstances, and includes, but is not limited to, war, riots, civil disorder, earthquake, fire, explosion, storm, flood or other adverse weather conditions, strikes, lockouts or other industrial action (except where such strikes, lockouts or other industrial action are within the power of the Party invoking Force Majeure to prevent), confiscation or any other action by government agencies.
- (b) Force Majeure shall not include (i) any event which is caused by the negligence or intentional action of a Party or agents or employees, nor (ii) any event which a diligent Party could reasonably have been expected to both (A) take into account at the time of the conclusion of this Agreement, and (B) avoid or overcome in the carrying out of its obligations hereunder.
- (c) Force Majeure shall not include insufficiency of funds or failure to make any payment required hereunder.

58.2. **No breach of Agreement**

The failure of a Party to fulfil any of its obligations hereunder shall not be considered to be a breach of, or default under, this Agreement insofar as such inability arises from an event of Force Majeure, provided that the Party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures, all with the objective of carrying out the terms and conditions of this Agreement.

58.3. **Measures to be taken**

- (a) A Party affected by an event of Force Majeure shall take all reasonable measures to remove such Party’s inability to fulfil its obligations hereunder with a minimum of delay.
- (b) A Party affected by an event of Force Majeure shall notify the other Party of such event as soon as possible, and in any event not later than 14 (fourteen) days following the occurrence of such event, providing evidence of the nature and cause of such event, and shall similarly give notice of the restoration of normal conditions as soon as possible.
- (c) The Parties shall take all reasonable measures to minimise the consequences of any event of Force Majeure.

58.4. **Extension of Time**

Any period within which a Party shall, pursuant to this Agreement, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a result of Force Majeure.

58.5. Payments

During the period of its inability to perform the Services as a result of an event of Force Majeure, the Bidders shall be entitled to be reimbursed for Additional Costs reasonably and necessarily incurred by it during such period for the purposes of the Services and in reactivating the Services after the end of such period.

58.6. Consultation

Not later than 30 (thirty) days after the Bidder has, as the result of an event of Force Majeure, become unable to perform a material portion of the Services, the Parties shall consult with each other with a view to agreeing on appropriate measures to be taken in the circumstances.

59. Counter Offer

No counter request / offer will be acceptable to the GSCDC once the Bid process is initiated.

Section 2.0
**DEVELOPMENT,
OPERATION AND
TECHNICAL SPEC
IFICATIONS**

SECTION 2.0: DEVELOPMENT, OPERATION AND TECHNICAL SPECIFICATIONS

2.1 Overview of Smart Parking

To develop a user-friendly and adaptable system that can be implemented in parking lots (on street, off street and multi-level parking) to ease the parking hassles.

To create an impact and experience with integrated smart parking solutions this enables quick, faster accessibility with single spaced detection, parking guidance on real-time and allow guest to reserve the parking slot. The Government of India's "Smart City" initiative is subsidized to a large extent, however there is a rider: 'ROI', Once the funds are consumed the ULB's which initiate the Smart City projects would require a sustainability method. Traditional Tax revenue receipts are ruled out as they would be a burden to the Citizens at large, therefore alternative revenue streams and monetization mechanisms have to be created before investing in a Smart City technology project. To achieve the above objectives, ULB's have to ensure Citizen Engagement through inclusiveness in their plans for Smart City deployments, assuring that Citizens are with the 'Program' and that same would benefit them and not be a burden. There is also the need to ensure quality employment which is also assured by the Government of India through schemes such as "Employment for All", "Startup India" & "Make in India" to its Citizens. To support such initiatives a preference shall be given to Indian manufacturers who are registered with DIPP, MSME subject to them having ownership of the requisite IPR via published patents in India. The deployment of a digital engagement mechanism which is proactive & unobtrusive is therefore essential.

One of the key problems which need to be resolved is parking

- a. Parking in Urban India is a Herculean task due to:
 1. Shortage of space
 2. Lack of information of available parking space
- b. Problems created due to lack of space and information about Parking in Urban India:
 1. Fuel wastage is found to be one of the key ambient air polluter leading to severe health issues.
 2. Fear psychosis at the beginning of a journey – Where will I park? What if I don't find parking space?
 3. Irregular parking in the city leads to road congestion which also leads to Road Rage.
 4. Urban Local Body loses revenue
- c. Security:
 1. Existing on Street or Off Street parking systems are manually managed and do not capture vehicle and driver details. Considering the rise in crime and terrorism in Urban areas across the globe, it is now necessary for Policing agencies to be able to correlate Citizens with their vehicles along with the location (Geography).
Revenue leakage in existing parking contracts due to over 95% utilization of cash and a lack of monitoring systems which would help reconcile parking receipts with parking occupancy and parking enforcement in real time ensuring highest levels of transparency.

The cost of enabling Smart Parking systems is high as well as technology dependent, therefore a PPP model which shall promote various smart monetization methods to ensure sustainability of the deployment shall be a priority.

GSCDL, has therefore envisaged a Smart Parking management solution along with a Citizen engagement App including Smart Parking features to achieve not only multiple revenue streams but also the ability to incentivize the Citizens by ensuring engagement.

A Cashless Architecture is one of the key objectives of the solution, legal frameworks as well as accessibility for all citizens under all transactional conditions have to be achieved. Therefore a hybrid solution which shall over a period of time migrate towards a completely cashless, digital ecosystem shall be procured.

The machine learning capabilities and automation through unobtrusive permission based data collection and analytics is leveraged to provide a very high level of engagement benefits to all the stakeholders.

Gwalior Demographics:

- a) Population: greater than 2 million
- b) Literacy rate: 78%
- c) Smartphone penetration: 45% (rounded off to 50%): 1 million
- d) Debit cards: 1 million

Note:

- 1) July 2016: 25.9 million credit cards and 691 million debit cards, post demonetization the credit card ownership almost doubled: appx. 50 Million Credit Cards against a population of 1.3 billion. If we simply compute the debit card volume it is available with about 50% of the population, therefore we defined debit card volumes for our calculation.
- 2) The above statistics clearly prove the necessity for a hybrid model which shall go cashless or completely digital along with the penetration of digital communications and financial tokens to provide an inclusive solution for Gwalior's citizens.



2.2 Development Controls and Technical Specifications

2.2.1 Development Brief

The responsibility of the Bidders shall include all activities that are required to be undertaken, in order to confirm with the Minimum Development Obligations, Use Allocation provided in this section of RFP. The facilities would need to be planned, designed and constructed in accordance with the Shared Technical and Architectural Specifications, Standards, and Design Guidelines and 'Maintenance and Performance Standards' provided in this section of RFP and as highlighted in a table below.

Sl.No.	Description of Parameters	Applicable Standards	Remarks
1	Development Controls and regulations	Indian Road Congress (IRC), National Highway Authority of India (NHAI) regulations and National Building Code (NBC) guidelines.	Any other applicable regulations / stipulations, of any other statutory authorities applicable in GS CDCL jurisdictions.
2	Spatial planning and architectural design guidelines	Urban & Regional Development Plans Formulation and Implementation guidelines (URDPFI) and Time Saver Standards. Specifications, guidelines stipulated in this section of RFP	Any other applicable regulations / stipulations, of any other statutory authorities.
3	Alternative / nonconventional materials / technologies, sustainable buildings, energy conservation, etc.	Environmental Building Guidelines of MCB and Indian Green Building Council (IGBC)	Any other applicable regulations / stipulations of any other statutory authorities.
4	All Pavements and Signage	Indian Road Congress (IRC) and Ministry of Road Transport and Highways (MORTH) specifications	Any other applicable regulations / stipulations, of any other statutory authorities.
5	Project construction including structures, utilities, infrastructure facilities etc.	National Building Council (NBC) regulations and as per Bureau of Indian Standards (BIS).	Any other applicable regulations / stipulations, of any other statutory authorities.
6	Performance Standards	ISO 9001:2008	Any other applicable regulations / stipulations, of any other statutory authorities.

Section 3.0

Scope of Work

SECTION 3.0: SCOPE OF WORK

The scope of work includes but not limited to:

- (a) Build, finance, construct, operate, maintain and manage the Smart Parking including ancillary/support infrastructure as per technical specifications provided in the document.
- (b) Meet the requirements laid down by the GSCDCL.
- (c) Additionally there could be additional parking slots that are identified by the authority (other than the parking slots set out in this RFP) which could be provided by the authority to the Concessionaire at same Terms and Condition including similar Concession Fee as for the indicative parking slots set out in Annexure-19 of this RFP as quoted by the Concessionaire. Notwithstanding the above, the Authority reserves the right to float separate Bid for such additional parking slots and that Concessionaire agrees that it shall claim no rights as regard such additional parking slots. The Concessionaire agrees that the decision of the GSCDCL shall be final and binding in this regard.

3.1 Key Component of Smart Parking

Parking Management System

Car Park creation: (On/Off Street)

- a) Mobile app interface for Car Park Contractor to submit Car Park details.
- b) Web Interface for Car Park contractor to define Car Park Operational parameters & user management.
- c) Dashboard to review performance on a minute to minute basis.
- d) Employee Notifications
- e) Citizens Notifications (selective or en masse for all citizens who have parked in a selected car park of the contractor).

On street Parking:

- a) Single spaced detection system
- b) Payment device
- c) VMS (Variable Message Signs) for guidance, notifications & advertising.
- d) Mobile app for Citizens
- e) Mobile App for Supervisors and Enforcement teams. Off

Street Parking (Open & Covered parking lots)

- a) Entry Stations – Automated Digital & Manual ticketing system
- b) Exit parking systems – Automated Digital & Manual payment collection system
- c) VMS (Variable Message Signs) for guidance, notifications & advertising.
- d) Mobile app for Citizens

Available Parking location geoidentification through map interface in mobile App, Reservation of chosen Car Park through mobile APP

- a) Digital and Cash Payment with Zero tolerance for revenue leakages.
- b) Navigation to chosen Car Park using map interface
- c) Integration with city command and control system
- d) Data management, analytics and Business Intelligence on real time basis

- e) Monitoring of real time transactions, parking availability, prebooking, season parking and parking enforcement
- f) Management of Equipment status and alarm on real time basis
- g) Dashboards and reports

h) Monetization through multiple revenue streams over and above parking fee collection. Mobile App for Supervisors and Enforcement teams.

- Parking Management System
 - Onstreet Parking:
 - Single spaced detection system
 - Payment device
 - Parking enforcement system
 - Off Street Parking (Open & Covered parking lots)
 - Entry Stations - Automated ticketing system
 - Exit parking systems
 - Auto pay stations / Central Pay stations
- Parking Guidance System
 - Onstreet Parking - Variable messenger signs
 - Off Street Parking (Open & Covered parking lots) - Facility guidance systems
- Web Portal and Mobile app for consumers
 - Parking Identification, Prebooking, payment and navigation
- Control and command center
 - Integration with city command and control system
 - Data management, analytics and Business Intelligence on real time basis
 - Monitoring of real time transactions, parking availability, prebooking, season parking and parking enforcement
 - Management of Equipment status and alarm on real time basis
 - Dashboards and reports

3.2 DEVELOPMENT, OPERATION AND TECHNICAL SPECIFICATIONS Functional Requirement: Smart Parking

Functional Requirement: Smart Parking

- i. The smart parking solutions should enable GSCDCL to obtain real time situational awareness about the occupancy of parking lot.
- ii. The smart parking solutions should enable GSCDCL or any other appointed third party to facilitate generation of parking receipts and tickets based on occupancy of parking lots.
- iii. The smart parking solutions should provide real time location based view to citizens about proximity of parking lots and availability of parking lots
- iv. The smart parking solutions should enable the above functions with minimum manual intervention. The smart parking solution is envisaged for both closed parking lots and open parking lots.
 - a) Closed Parking Spaces - Such parking spaces are managed by GSCDCL through subcontracted vendors and the parking lots have boundary walls and defined entry and exit points.
 - b) Open Parking Spaces - Such locations are managed by GSCDCL through subcontracted vendors and do not have boundary wall and defined entry and exit points. These kind of parking spaces have specified number of slots available, typically on an open ground or road.

- c) Multilevel Parking Spaces-
Such locations are managed by GSCDCL through subcontracted vendors and do have a boundary wall and defined separate entry and exit points. These kind of parking spaces have specific multiple number of slots available, typically on an open or underground ground or road.
- v. The smart parking solutions should enable accounting and mapping of individual parking spots and all such parking spots must have one-to-one mapping with parking sensors. Smart parking sensors can be connected via RF (Bluetooth LE/WiFi) 3G or 4G wireless network. It is not mandatory to connect all sensors via MPLS fiber network.
- vi. The smart parking solutions should be able to count the number of vehicles entering and exiting any parking structure.
- vii. The smart parking solution must geo-reference all the parking lots.
- viii. The smart parking solution may use video camera embedded with sensor based solution to determine number of vehicles entering and exiting parking lots. The smart parking solutions should do so at each floor, in case of multilevel parking and communicate the data.
- ix. The smart parking solutions should report occupancy of parking lots to a central software application deployed at the command center using the network laid out as a part of this Bid.
- x. The total number of slots and free slots for parking must be displayed on a digital sign board near the entrance of the parking lots. The smart parking solution's integration with other elements within the Bid scope must facilitate display of parking information at variable messaging displays deployed at key points of interest in the city.
- xi. The smart parking solution needs to have parking ticket vending machine at the entrance where the ticket can be issued by the machine on pressing the button by the user/operator. Further, the solution will have provision for a handheld device POS through which parking receipts can be generated on payment of fees through card or cash.
- xii. The payment collection can be done via card as well as cash (manually) at the kiosk (Like an ATM) where a 'Paid' parking ticket can be shown/given to the staff at the exit. Parking staff should be able to scan the ticket and provide the printed receipt.
- xiii. The smart parking solutions should facilitate real time revision of parking fees and should enable real time communication of rules to handheld terminal and parking kiosks.
- xiv. The smart parking solutions should retain videos of cars entering/exiting the parking zone as per these security parameters defined in the Bid.
- xv. The smart parking solutions should have a mobile and a web delivery channel for citizens to get real time parking availability and prebook parking slots using online payment of parking charges facilitated through a payment gateway.
- xvi. A mobile application (subsection of PMC Umbrella application to be developed as a part of this Bid) and a web based user interface (application to be made available across all leading platforms) should be provided with the following features:
- a) The application should have citizen module and officer module.
 - b) Through the citizen module, the users should be able to locate nearest parking lot and also pre-book based on his geographical coordinates. This same information must be made available on map with routing information.
 - c) The citizens should be able to see all the parking lots with exact available space in a real time mode.
 - d) While locating nearest parking lot, the latest parking slot availability should be given to the user.
 - e) The application should have a compliance officer module where GSCDCL designated

inspector/operator will be able to check compliance of slot occupancy against the fees paid by the citizen.

- f) The citizen should be able to generate MIS report to view occupancy of parking lot over a defined time period.
- g) The administrator should be able to generate MIS report to view occupancy, collection and other usage statistics over a defined time period.

3.3 **Technical specifications: Smart Parking Solution**

The following standards and specifications need to be followed:

- i. Entry Device
 - a) Should be able to generate printed receipts Tickets or Tokens in designated format on selecting the duration of parking. This device shall be used when Smart phone with Parking app is not available with Citizen. In case of Citizen with Smart phone with Parking App who has done advance booking, the Parking App shall send the Entry device and: (1) trigger a Push notification with Parking Bay number, (2) shall open the boom barrier.
 - b) Conform ISO 9001 Quality Assurance Standard
 - c) CE, FCC, IC, CNRTLUS certified
- ii. Exit Device
 - a) Reads the Ticket / Token / Smart phone with Parking App presence.
 - b) Confirms payment for parking duration is paid
 - c) Opens Boom barrier.
 - d) Conform ISO 9001 Quality Assurance Standard (Latest)
- iii. Entry / Exit Barrier
 - a) The Barrier unit must conform to ISO 9001 Quality Assurance Standard
 - b) CE, Ukr-Seproc certified
 - c) Degree of Protection: IP34D
- iv. Sensors
 - a) Conform ISO 9001 Quality Assurance Standard
 - b) Protection Level: IP67
 - c) Should be industrial grade to bear the weather conditions and wear tear while being deployed into open.
- v. Display devices
 - a) Should display double lined dynamic display with 24*24 matrix (12 digits) with a minimum size of 1000mm*150mm
- vi. Control and Command Centre
 - a) Real time feed transmission to ICC for monitor and control. Enforcement agency should always monitor Open, Close and Multi level parking from Command Centre. Should display MIS report and display double lined dynamic display with 24*24 matrix (12 digits) with a minimum size of 1000mm*150mm.

3.4 SMARTPARKINGDETAILEDFUNCTIONALITIES

- i. The Authorize should be well versed to design, optimize and implement smart parking technology—detailed engineering plans and approvals.
 - ii. The Authorize should implement single spaced detection on marked slots with appropriate placements.
 - iii. Implement parking line with POS for every 11 parking slots for on street parking and 17 for Close Parking lot with tow truck and enforcement app for control and monitoring of parking violations
 - iv. Parking management system with auto pay station / central pay station for off-street parking for quicker transactions
 - v. Variable messages at desired locations for guidance
 - vi. Parking guidance for facility, floor and bay level depending on the type of parking lot
 - vii. Parking system should have unique identification system for User which allows spaced detection and parking access.
 - viii. Smart parking components include hardware units like entry and exit devices, boom barriers, auto pay station / central pay station, express exits, handheld devices (POS), dynamic displays, Vehicle occupancy sensors, sensor gateways and aggregators, communication bridges (Bluetooth LE to WiFi).
 - ix. Should provide software applications to perform parking related functions like ticketing, payment, reporting, tracking and guidance, etc.
 - x. All the hardware and software units and functionalities shall be monitored from control and command center
 - xi. Developing Smart Parking Mobile Application and portal for identification, navigation, pre booking and payment
 - xii. Developing parking enforcement app including identification of parking violations, overstays and payment of fines with appropriate notifications
 - xiii. Capturing equipment status on real time basis on command center
 - xiv. Effective management of parking lots by well-trained teams (statutory compliance, quality audits)
 - xv. Regular maintenance of equipment, stocking of required spares ensuring minimum downtime (24 hrs. or less)
 - xvi. Providing dedicated helpline for parking operations
- The Concessionaire shall carry out the following activities:

3.5 Hardware, Software, and Facilities

- i. Install and maintain road markings, signage, and dynamic display boards (Variable Messaging Signs) to display parking information and provide customer information.
- ii. To provide and install necessary complete hardware and software solutions, such as but not limited to boom barriers, auto pay station, handheld devices (POS), portacabins, switches, sensor gateway, aggregator, communication bridge, and guidance system, for on street, off street parking system.
- iii. Provide Parking Management and Parking Guidance System to direct driver to available parking slots through LED signage and also through Smart Parking Mobile Application.
- iv. Provide and install necessary LED signage which also includes variable message sign board for guidance to public regarding availability of parking spaces and other necessary information.

- v. Setup and maintenance of Central Control Centre including Data Centre with appropriate hardware and software for viewing, analyzing, storing and retrieval of the CCTV feed and monitoring and managing of Smart Parking;
- vi. Install, operate and maintain an IT system, including a control center, for parking fee and fine payments, monitoring, and enforcement. Procure software and hardware for the processing of customer payments via credit card, net banking, mobile-based banking systems, and other media, the impetus is on cashless payments system in all the 24 parking sites.
- vii. Smart Parking Mobile Application for parking services: App shall show the available slots on real time basis, booking of parking space, payment mechanism through various modes of payment, reservation for specially-abled citizens, facility for extension of pre-booked parking space.
- viii. Comprehensive operation and maintenance of all hardware and software installed for this project throughout Authorized period.
- ix. Procure hardware and software to aid in the planning and monitoring of enforcement activities.
- x. To provide and install thermal cum optical / IR sensors (Multi Level and Closed parking) at each of the parking slots for cars for all surface parking lots. All parking slots should be individually and clearly marked, mapped with parking sensors, and appropriate camera coverage. All sensors, devices and equipment should have the capability to communicate back and forth with the central control center for information and feedback through a RF / Wi-Fi / GPS any combination of the mentioned system.
- xi. Procure and operate devices to immobilize vehicles parking in Paid Parking Areas without paying applicable Parking Fees or in No-Parking Areas until the User clears any pending Fees and Fines (for On Street Parking).
- xii. Establish the required facilities, equipment, and vehicles (tow truck) for the operations of the Parking System.
- xiii. All equipment used to establish the system must have been manufactured not earlier than six (6) months before the date of signing of the Authorization Agreement between GSCDCL and the Concessionaire. The equipment shall not have been put to commercial use anywhere prior to the Commencement of Operations.

3.6 Smart Parking Operations- Hardware, Software, and Facilities

- i. The Concessionaire will develop and modify, from time to time, a detailed operating plan (“Operating Plan”) for the Parking System. The Operating Plan will detail all aspects of operations including but not limited to branding, signage, geometric design (i.e. delineation of free parking, paid parking and no-parking areas), fee collection, enforcement, facility maintenance, and customer service procedures.
- ii. The Concessionaire also will prepare detailed Parking Management Plans for all on-street, off-street and multi-level parking sites assigned to the Concessionaire. The Operating Plan and Parking Management Plans, and any modification to them, must be approved by GSCDCL. The Concessionaire will incorporate suggestions from GSCDCL on the Operating Plan and Parking Management Plans and operate the Parking System in accordance with the approved Operating Plan and Parking Management Plans.
- iii. Concessionaires shall be responsible for complete operations and maintenance of all the parking spaces post takeover from GSCDCL.
- iv. The concessionaires shall manage and collect revenue as per tariff fixed by GSCDCL for all the parking lots defined in this RFP.
- v. The concessionaires shall provide universal, barrier free access and reserve vehicle slots for differently abled.

- vi. The Concessionaires shall devise a mechanism to identify each vehicle parked within the lot at any given point of time.
- vii. The Concessionaires shall constantly monitor the adherence to Applicable Laws including on-street parking regulations.
- viii. Provide tow trucks of adequate capacity to handle parking enforcement and to help GSCDCL/Traffic Police in collecting the penalties as per Government policy, applicable from time to time.
- ix. At the beginning of the concession period, the Concessionaires shall be required to establish a common, cloud-based system which shall synchronize all the parking lots and provide the common operating platform for the parking system. Over a period of time, GSCDCL shall establish an integrated command & control centre (CCC), which will be used as a control point for the parking platform.
- x. The Concessionaires shall ensure that adequate trained personnel are available to man the parking lots, subject to the capabilities of the automated system.
- xi. The Concessionaires shall not carry out any other commercial activities within the parking lots unless explicitly approved by GSCDCL.
- xii. The Concessionaires shall ensure that each parking slot is uniquely identifiable, and shall also indicate, preferably through an electronic signboard, the number of parking slots available, filled and vacant for each slot.
- xiii. The Concessionaires shall pay GSCDCL a monthly concession fee till the expiry of the concession period.
- xiv. The Concessionaires shall furnish to GSCDCL, regular reports indicating trends of parking, occupancy, usage etc. as may be appended through the system.
- xv. The team shall be required to take regular backup of the application data as per the frequency defined by GSCDCL. Security and safety arrangements for safe custody of the backup data shall also be the responsibility of the Authorizee.
- xvi. The Authorizee shall ensure that the team has appropriate skill-sets for managing networking, hardware and application software tools.
- xvii. All patches and updates to any software and hardware devices shall be provided by the Bidder without any additional costs throughout the tenure of the Authorization Agreement.

USER ACCOUNTS

The Concessionaire will provide the option of User Accounts for frequent System users. The User Accounts will have the following features:

- i. Ability to open an account online, through a smart phone app, or at a customer service kiosk.
- ii. Required data to open an account include the user's name, address, mobile number, and vehicle license plate number(s).
- iii. Ability to recharge the account using cashless payment system.

FREE PAYMENT SYSTEM

The Concessionaire will create a free payment system by which users can pay parking fees using a mobile phone or smart phone application. The payment system will:

- i. Register the beginning and end of a Parking Event through a smart phone application.
- ii. Send an alert when the duration of the Parking Event is about to exceed the user's balance.
- iii. Send a response / confirmation message for all user actions.
- iv. Handle transactions by users with User Accounts.

- v. Have the ability to differentiate charges based on:
 - a) Type of vehicle.
 - b) Duration of the Parking Event.
 - c) The Concessionaire will not carry out direct cash collection from Users.

3.7 CASHLESS PAYMENTS SYSTEM

With a view to reduce cash handling and provide further options for payment, GSCDCL is committed to deploy end-to-end smart parking management systems in support of the cashless parking payment mechanism in all the parking sites, i.e. on-street, off-street and in multi-level parking. It allows Users to pay to park their vehicle using a mobile phone (pay-by-phonemobile app), bank card and through a smart parking card instead of using physical currency in a parking. Cashless parking provides a different way to pay for parking, especially if you don't have any change or you want to extend your parking session without having to return to your vehicle.

The system offers a wider range of benefits to customers, including choice of payment method, reminder that their parking session is due to end, and the flexibility to extend their parking session using their mobile phone, thereby eliminating the need to over-book initially. This would minimize collection costs and also provide the opportunity to develop the database and the potential to consider variation of parking rates.

The software processes cashless payment transactions. Transaction can either be initiated via attended or self-service POS or via the Internet or mobile devices. The net-centric software takes care of processes such as transaction capturing, identification, authorization and forwarding of data to the target systems, including routing and switching, even across parking's.

The below mentioned is the major components for cashless parking, which GSCDCL will deploy on all the parking sites.

- i. Automatic Fare Collection (POS Terminals)-
A reader module will be integrated in entry and exit barriers of parking that enable payment through bank card (credit and debit card).
- ii. Pay-By-Phone (Mobile App)-
Cashless parking is a quick and secure way to pay for parking if you do not have to use the cash. A Pay-By-Phone mobile application will be developed, so that User will use their mobile phone instead of paying in cash and the payment is made using their registered credit or debit card by registering on Pay-By-Phone mobile application or even without registering on Pay-By-Phone app by using guest check-out directly by paying the parking charges.
- iii. Third Party Mobile Wallets, Smart Parking Card (An encrypted combo Bluetooth and RFID Card).
- iv. Vehicle Mounted Transponder (Electronic Tags)
- v. e-Parking Permits - To make full use of electronic and web services virtual e-Parking permits are the way forward. This has major benefits in reducing costs, administration and they are environmentally friendly. In practice the car registration plate becomes the permit ANPR (automatic number plate recognition) systems. Once the car registration plate is registered with application the vehicle can be parked within the rules at that parking location and the parking charges will be deducted from User's e-wallet.
- vi. Contactless Payment Technology -
A reader module will be integrated in entry and exit barriers of parking that enable vending machine equipment and component manufacturer to integrate contactless technology.

3.8 ENTRY CONTROL SYSTEM FOR OFF-STREET LOTS

The Concessionaire will provide an entry control system for off-street public parking areas that meet the following criteria:

- i. Ability to record the vehicle's license plate number upon entry and exit.
- ii. Real-time communication with the IT system.
- iii. Ability to notify enforcement personnel if a vehicle has overstayed the paid period.
- iv. The Concessionaire may establish kiosks at off-street parking locations and enable cashless payments system. The Concessionaire will restrict direct cash collection from Users.
- v. Automatic Fare Collection (POS Terminals)- A reader module will be integrated in entry and exit barriers of parking that enable payment through bank card (credit and debit card).

THIRD PARTY INTEGRATION

- i. The Concessionaire should provide adequate possibility for integration within existing online payment instruments like bank payment accounts and allow for the integration of User Accounts with a common transport payments system in the future.
 - ii. The applications should provide an API manual for third party applications to integrate with the parking system.
- A. Large:

Name of parking	Area in sqft	Type
Bus Parking, Aamkho	4500	Off Street
Maan Singh Mahal, Gwalior Fort	1800	Off Street
Chaupaati, Phoolbagh	1200	Off Street
ISBT, Bus Stand	1086	Off Street
Morar Girls College, Raamjaanki Mandir.	1070	Off Street
Kalyaan Memorial Hospital, Morar	820	Off Street
Katoratal	800	Off Street
In Front of Alankar Hotel	790	Off Street
Behind Rajeev Plaza	700	Off Street
From Baradari Chowk, Grover to Utkrishna school	600	Off Street

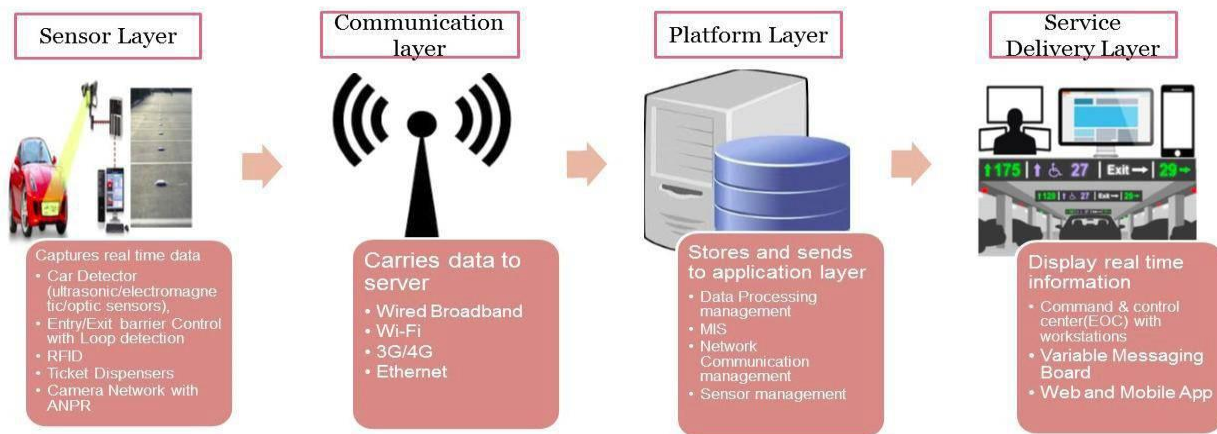
B. Medium

Name of parking	Area in sqft	Type
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GandhiPraniUdyan,PhoolBagh,NaveenGate	456	On-Street
Chamberof CommerceBoundaryWallParking	435	On-Street
Surya Narayan Mandir Parisar,Daulatganj	402	Off-Street
AshokTravels,Kampoo	400	On-Street
Scooter-MotorcycleStand, BirlanagarandalongNalla	390	On-Street
NearDistricthighcourt,NearShedandInside Barricades(GirirajMandir)	290	Off-Street
DarjiOliAgrasenComplex	288	On-Street
Rawaldas,PhoolBaghChauraha.	270	On-Street
InFrontofSanjayComplex,NearPNB	240	Off-Street
BoundaryinfrontofDistrictcourtandBehind GirirajMandirParking	210	On-Street

C. Small

Nameofparking	Type	Areain sq.ft.
Mini Stadium, Near Chattri BazaarMaidanGate	On-Street	150
Scooter- MotorcycleStand,SubjiMandiMurar	On-Street	70
NayaBazaar,Multi-LevelParking	Off-Street	0
SalasarMall,Multi- LevelParking(BlockAandB)	Off-Street	0



Sensor Layer: All the edge devices including ticket dispensers are part of this layer. It is the layer that directly interfaces with the end-user. It is in this layer that physical counting of vehicles through touch points would happen. These sensors used serve as the backbone for the entire Parking Management System.

Smart parking systems can be implemented using variety of technical solutions and some of the commonly used techniques are as following:

- Vehicle detection at entry and exit by use of inductive loops and parking slot detection via photo sensors / motorized parking locks.
- Vehicle detection at entry and exit by camera based detection and parking slot detection via ultrasonic / infrared / magnetic sensors.
- Vehicle detection at entry and exit by use of Bluetooth LE geolocation tags or RFID tags and parking slot detection via ultrasonic / infrared / magnetic sensors
- A combination of any of the aforementioned

Communication Layer: All the edge devices, data center devices and service delivery devices would interact with each other through this layer.

Smart Parking Platform: All the management servers and data processing servers are part of this layer. The entire logic of the smart parking solutions shall reside on this layer. The Parking Command Centre or the Parking Management System is a powerful tool which interacts with all the sensors deployed for the Smart Parking project. The system collates data from the sensors and the mobile app and directs the citizen to the nearest available parking slots.

Service Delivery Layer: The end-users shall be able to book parking space through web-based portal as well as through a mobile app. The mobile app will allow citizen to check availability of parking slots on their smart phones before setting out. The driver gets full details of the parking options available including prices, out of hour's times and restrictions if any.

Component Name	Description
Car Wheel Lock	Enforcement Device for users who haven't paid the dues or parked in non-designated Area
Payment Kiosk	A Do-It-Yourself machine which enables user to pay for parking usage by themselves through cash or card for their convenience
Parking Management	To Guide the vehicle owner about the parking

and Guidance Solution	slots availability etc.
Controller	High Performance TCP/IP intelligent vehicle counting system Controller with display to indicate available parking slots & other accessories, Capable of connecting with multiple displays, loop sensors or magnetometer sensors, Enclosed in Tamper proof housing.
Bluetooth Beacon	<p>A Tag which transmits its location actively through a Bluetooth Low energy communications medium. It has an inbuilt battery life of typically 3 to a maximum of 9 years of operations basis the operational distance from a smartphone (1 cm to 50 Mtrs).</p> <p>The Tag is placed at Entry and Exit points of a Car Park and is detected by the Smart Parking application to generate SOP driven actions of various parking operational equipment including automated boom barrier operations and payment collection.</p> <p>The Tags also provide geo-location information at the micro level to enhance parking location guidance accurately without the need for Satellite line of sight in covered and underground parking spaces.</p>
Magnetometer Sensor	An active magnetic field sensor (with a minimum 8 years of inbuilt battery life) installed to capture count of vehicles crossing over a designated line / area or vehicle occupancy in a car bay (slot). It communicates via Bluetooth Low Energy signal to an integrated Bluetooth Gateway, aggregator and communications bridge.
Parking Sensor Gateway	A sensor gateway is a Rx/Tx radio device which communicates with parking sensors via Bluetooth LE signals (occupancy validation), aggregates signals from multiple sensors and then converts the data to a standard WiFi signal which is then transferred to the individual car bays to the Parking Management System. All three components (Gateway, aggregator and communications bridge) are built into a single unit and operate on standard 240VAC.
Motorized Parking Lock	A long life battery operated, compact physical barrier installed at the entry point of a Car parking bay and connected wirelessly RF (Bluetooth LE or WiFi) to an integrated aggregator, gateway & communications bridge.
Inductive Loop Detector	Physical Loops installed to capture the count of vehicles crossing over a designated line / area
Parking Sensor	Sensors installed in Parking Areas assisting users in Parking their vehicles safely and only in designated Area without encroaching upon other parking lots
Variable Messaging	To be installed outside Parking Lot in visible Public Areas displaying

	RealTime AvailabilityinoneormoreParkingLots
CCTVCamera	Useof CameraandrelevantVideoSoftware tocapturedesignatedareaofParking virtually
HandheldTicket Dispenser	Ahand-helddevicetodispensetickettoincoming usersalong-withothernecessarydetails.
AutomaticTicket Dispenser	ADo-It-Yourselfmachinewhichenablesuserstprintticketthemselvesaspertheirconvenience
Entry/Exitbarrierwithloopdetectionforparkingandvehicleaccess remotecontrol	GenerallyInstalledatEntry/Exitbarriers,theseareunmannedstationwhich allowsentry/exitbasedupontheinformationloggedinscannerinstallednearby
SmartCard&Reader	TheSmartCardareCardthatcanbeloadedandreloadedwithmoney. Itincludesanembeddedintegratedcircuitchipthatcanbeeitheramicrocontrollerwithinternalmemorychipalone. Thecardconnectstoareaderwithdirectphysicalcontact(i.e.acontactsmartcard) orthrougharemotemotecontract-lesselectromagneticinterface(i.e.contract-lesssmartcard)
ParkingManagement andGuidanceSolution	Toguidethevehicleownerabouttheparkingslotsavailabilityetc.
Ticketvalidator	Toallowuserstovalidatetheir Passive:paper ticketswithQRcode/barcode/NFC/RFIDorActive:Bluetoothsignalgeneratedfrommobileappandgainaccesstothe exitboombarrierforanhassle freeexit
MobileApp	Toprovideuserswithinformationliketheavailabilityofparkingspace,nearmostParkingLotAvailableoranyrelevantinformationpertainingtoparkingmanagement.
EmergencyCallBox	It'sanelectronicdevicethatisusedtoalertandcallsomeoneinemergencysituation
WirelessGateway /RootAP	Itisrequiredfordedicatedconnectivityacrossallparkinglots.

3.9 DevelopmentControls

- (a) The subject locations with the Right of Way (RoW) as mentioned above are located in various zones of GSCDCL.
- (b) All the Applicable Development Controls and Regulations for development of Smart Parking Systems in the proposed locations shall be as per the shared specifications.
- (c) The selected Concessionaire shall ensure that the Project design and development is

compliant with National Highway Authority of India (NHAI) and Indian Road Congress (IRC) regulations. The project components of Smart Parking including access to project facilities like pavements; signage, etc. shall be as per MORTH (Ministry of Roads, Transport and Highways) specifications. The Smart Parking Systems with structure like information and display panels, etc., shall adhere to the standards/regulations of Indian Road Congress (IRC), National Building Construction Code (NBCC) and BIS. Overall, the performance of the project facilities shall comply/satisfy as per ISO 9001:2008 standards.

(d) These selected Concessionaires shall also confirm to any other applicable stipulations and guidelines issued by any other statutory authorities. The Concessionaires shall consider employing solar energy to meet part of their power requirements of the project facilities like lighting in the equipments and messaging boards, etc.

3.10 System Specifications

3.10.1 Operating Manual

The Concessionaire will develop an Operating Manual for the System indicating the following

- Parking Design
- Procedures for determining parking and no-parking areas.
- Customer information
- System logo, slogan, and other branding elements based on Smart City Gwalior.
- Guidelines for the placement of static and dynamic signages.
- Signage design, including specifications for layout, colour and typeface.
- Specifications for pavement and curb markings, including layout, colour, and typeface.
- Fee collection procedures (cashless payments system).
- Enforcement procedures (Physical and Technology enabled).
- Maintenance procedures for on-street elements and other equipment.
- IT system and communication protocols.
- Data security.

3.10.2 Parking Management Plans

The Concessionaire will prepare detailed Parking Management Plans for all on-street, off-street and in multi-level parking sites assigned to the Concessionaire. For all on-street, off-street and in multi-level parking sites, the Parking Management Plan will incorporate the following:

- (a) Clear designation of Parking Facilities and No-Parking Areas.
- (b) The layout and orientation of parking slots, including the type of vehicle permitted.
- (c) Applicable Parking Fee.
- (d) The location and type of static and dynamic signage to be installed.
- (e) External factors such as traffic volumes, adjacent roads and width of roads also need to be considered for to facilitate the access to the facility by the vehicles.
- (f) Solar powered parking facilities shall be encouraged.
- (g) Have sufficient site distances for internal circulation during parking and un-parking.
- (h) Have efficient parking fee collection mechanism at entry or exit or both.
- (i) Driveway requirements should be carefully designed based on alternative parking Driveway requirements should be carefully designed based on alternative parking layout to efficiently utilise the available space.
- (j) All the parking facilities should also facilitate the convenient parking for differently abled.
- (k) In all the basement and multi-level parking facilities, a special consideration need to be given for safety of users / staff for anyone inside the facility.

yasthoseplacesaresusceptibleto crime. Inallthesefacilitiesthevideosurveillanceismandatory.

- (l) Inallon-streetparkingfacilities,storagespaceshouldbeleftatallsidesoftrafficintersection.
- (m) Provisionforreservedbicycleparkingshallbemademandatoryinallthepublicandprivateoff-streetparkingfacilitiesincludingshoppingcomplexes,cinemahalls,offices,etc.
- (n) Thepark-and-ridefacilitiesattransitstationsshouldbelocatedanddesignedinsuchawaythatittheentryandexitofvehiclesshouldnotconflictwiththemovementofpedestrians.
- (o) Theslopeforaccessrampsinanyparkingfacilityshouldnotbesteeperthan1:50.

3.10.3 RoadMarkingsandSignage

TheConcessionairewillprovideandmaintainclearstaticroadmarkingsandsignageateachon-street,off-streetandinmulti-levelparkingwiththefollowinginformation:

- (a) HaveMarkingsforparkingbaysanddriveways.Themarkingshouldclearlyindicatethedirectionstothespacesforeachvehicletype,eachparkingbay,driveway,directionstotheexit,etc.
- (b) Sufficientbaysizetofacilitatethelength,width,headroomandopeningofdoorsbasedonthecorrespondingvehicletype.
- (c) HaveInformationboardsspecifyingthefacilityname,parkingcapacity,pricing,timerestrictions,andvehicletypesallowed,etc.
- (d) Alltheoff-streetparkingfacilitiesshallbeprovidedwiththebasicamenitieslikelightinginsidethefacilitytoeaseconveniencefortheuser.
- (e) Satisfythedrivewayrequirementsinthedesignandimplementationasperparkingstandards.
- (f) AlltheparkingsignsshouldbeconsistentasperIRC:67–2012“CodeofPracticeforRoadSigns”.
- (g) Whereparkingisallowedandnotallowed
- (h) Whattypeofvehiclemaypark.
- (i) Permittedparkingarrangements(e.g.perpendicularvs.parallel).
- (j) Applicableparkingfees.
- (k) Anidentificationnumber(usedwhenpayingparkingfees).
- (l) Specifictimeslots,ifthezoneisnotanall-dayparkingslot.
- (m) InthecaseofBlockFaces,roadmarkingswillbedisplayedcontinuouslyforthelengthoftheBlockFaceandsignagewillbeinstalledatanintervalofatleast20m.AtleastonesignshouldbevisiblefromeachParkingSlotalongaBlockFace.

3.10.4 ThirdPartyIntegration

- (a) TheConcessionaireshouldadequatepossibilityforintegrationwithinexistingonlinepaymentinstrument slikebankpaymentaccountsandallowfortheintegrationofUserAccountswithacommontransportpaymentsysteminthefuture.
- (b) TheapplicationshouldprovideanAPImanualforthirdpartyapplicationstointegratewiththeparkingsystem.

3.10.5 EnforcementSystem

TheConcessionairewilloperateenforcementactivitiesasfollows:

- (a) ConductperiodrandomchecksofasampleofvehiclesinallPaidParkingLots.

Face to determine the vehicles are paid or unpaid. The checks should be carried out at least every 40 minutes and will rely on verification of the vehicle license plate number. The system will create a record for every vehicle observed with details such as the time of observation and license plate number.

(b) Install vehicle detection sensors for all on street, off street and in multi-level parking to track and monitor the arrival and departure of every vehicle that parks in a designated Parking Slot and send real-time information to the enforcement systems such as Parking Events.

(c) The Concessionaire will procure and operate tow truck and immobilisation devices for cars, two wheelers, a motor rickshaws, and other common vehicle types found in the Concessionaire's Zones.

(d) If a vehicle in a non-street, off-street and in multi-level parking is found to be unpaid, the System will immediately record the violation in the IT system and place a fine on the vehicle record. The Concessionaire will take photos to document the location and license plate of the vehicle. The Concessionaire will immobilise the vehicle and the System will alert the vehicle user by text message or through a smartphone application. Recording of the violation and immobilisation will occur after a grace period after the time of observations specified by GSCDCL. If the vehicle user pays the Parking Fee before the end of the grace period, the System will not record a violation. Identification of an unpaid vehicle starts a Parking Event.

(e) The immobilisation device will be removed after the fine has been cleared or control of the vehicle has been transferred to a concerned authority. Removal of the immobilisation device ends the Parking Event.

(f) The system must record and archive images of all parking violations.

(g) The Concessionaire shall deploy Tow Truck (as per requirements subject to a minimum of three numbers) for towing of illegally parked vehicles, in the area defined in this RFP and shall be accompanied by Traffic Police personnel. The Concessionaire will tow vehicles parked in an unauthorised manner to the nearby parking space which is less utilised or at spaces designated for this purpose by the GSCDCL/Traffic Police. Traffic Police will charge penalty as well as towing charges from the owner of the vehicle. The towing charges for each vehicle will be handed over to the Concessionaire. Initially the numbers of Tow trucks required will be more.

(h) If the unauthorised parked vehicle is not in a position to be towed away, the Concessionaire will arrange to put jammers/immobilise in the wheels of the vehicle, so that Traffic Police personnel are able to find the vehicle. Necessary information regarding towed vehicles will be updated on the Smart Parking App and web portal immediately. Additionally, information regarding details of towed vehicles shall be available to users through a dedicated help line number. The dedicated help line will be operated by the Concessionaire.

(i) The Concessionaire shall take necessary precautions while towing of vehicle with regard to safety of the vehicle. Any damage caused to vehicle during towing will be the liability of Concessionaire.

3.11 Technology Specifications and Standards

3.11.1 Preamble

The Technical Specifications contained herein shall be read in conjunction with the other Bidding Documents as specified.

In addition to the Development and Operational Controls covered in the previous Part, the Specifications and Standards as defined in the Concession Agreement cover the Technical Specifications and Guidelines for various components of Smart Parking.

The following specifications and standards cover only some of the minimum requirements for the development of project facilities. The Concessionaire shall construct, operate, maintain and manage the proposed project facilities strictly conforming to the relevant Indian standards, Bureau of Indian Standards (BIS), the best industry practices, and internationally acceptable norms for street furniture. Whether the requirements are explicitly stated or not in the RFP documents, the Service Providers must note that GSCDCL envisages a world-class facility in all respects and expects international quality and standards from the selected Concessionaire, as the binding contractual obligation.

Note:GeneralFeatures

1. SmartParkingSystemshallconsiderfollowingtypeofpassengervehiclesandappropriatesensingmechanismattheparkingslot;
 - a. $\frac{3}{4}$ Wheeler-MagnetometerSensor(withmotorizedparkinglocksinoftstreetcoveredparkinglots
 - b. 2Wheeler-Motorisedwheelchockwithelectromechanical/IRsensors
2. ThreebasictypeofdatashallbecollectedbyConcessionairefromthesystem;
 - a. Thevehicleregistrationnumberofthevehicleparked;
 - b. Dateandtimeofthevehiclewhileenteringandexitingparkingslots.
 - c. Thesystemshallbedesignatedtospecifytheparkingslotswhereaparkershallpark(foroffstreet parking/onstreetparking).
 - d. ThesystemshallbedesignatedtocateretoQuickreactiontollsecurityintelligencebythesecurityagency.

ThispartofthevolumecoverstheTechnologySpecifications:

1. ITsystemandControlCentre
2. Website
3. Smartphoneapplication
4. Customerinformationandmarketing

3.11.2 **ITSystemandControlCentre**

TheConcessionaire willoperatea ControlCentre withthe capabilitytoprovidereal timedatafeed tocontrolandcommandcenter.Summaryreportsandreal-timeinformationtoGSCDCLincludingbutnotlimitedtothefollowing:

- Numberofvehiclesparkedoneachparking
- DetailsforeachParkingEvent:
- Vehiclelicenseplatenumber
- Vehicletype
- UserID
- Starttime
- Endtime
- Location
- ApplicableFees
- Paymentstatus
- ApplicableFines
- Detailsonenforcementfortheactivitiesoffallenforcementstaff:
- Assigneditinerary
- Actualpathtaken

- Details of vehicles checked
- Details of vehicles immobilised

The Control Centre will serve as a single point of contact for GSCDCL to communicate with the Concessionaires and when needed.

3.11.3 Website

The Concessionaire will create a website with the following functionality:

- Displays real-time occupancy at all on-street, off-street and in multi-level parking locations covered under the System.
- Displays current information on parking fee levels on all streets covered under the System.
- Displays a map of each parking location.
- Provides a user account section with the ability to create a user account, modify the user profile, recharge the user's prepaid account, or pay fines.
- Available in English.
- Displays real-time fines issued and collected.

3.11.4 Smartphone Application

The Concessionaire will create smartphone applications for the top three smartphone operating systems used by the membership base (as calculated through membership surveys) with the following functionality:

- Displays real-time occupancy at all on-street, off-street and in multi-level parking locations covered under the System and specific parking areas near the user's location.
- Displays current information on parking fee levels on all streets covered under the System.
- Provides a user account section with the ability to create a user account, modify the user profile, recharge the user's prepaid account, or pay fines.
- Available in English.
- Displays real-time fines issued and collected.
- Responsive interface to facilitate use on a wider range of devices with different sizes.

3.11.5 Customer Information and Marketing

The operator will be required to market the System with a focus on encouraging proper parking in the city. The operator is encouraged to use traditional marketing techniques as well as modern marketing using web technology and IT systems. The marketing campaign must comprise but is not limited to the following:

- Information on the System website:
- How to use the parking system, including user accounts, parking coupons, fee payment, and fine payment.
- A regularly updated blog with news about fee structures, changes in parking rules,
- Facebook page with regular updates about the system, user tips, photos, and other information.
- Twitter feed with regular updates.
- Regular press interaction to disseminate information on System features and benefits.
- Launch phase for three months starting on the Commencement Date including:
- Marketing events and temporary customer service kiosks at popular on-street parking locations.

- Membership drive to encourage people to set up User Accounts.
- Outreach to business associations, resident welfare associations, and other local stakeholders.
- Advertisements on the radio and print media.

3.11.6 **Tow Truck**

- (a) The Bidders shall use brand new truck chassis with power steering. The truck must meet emission control norms as specified by RTO.
- (b) The truck shall have following facilities in addition to the towing assembly
- (c) Automated/Manual lifting system with chain pulley mounted on an MS framework for lifting 2 wheelers
- (d) CCTV system with 1 no camera near the towing point and 1 No camera at the top of the driver cabin connected to DVR and colour monitor mounted in the driver's cabin with 30 days storage
- (e) PA system with a microphone and amplifier and horn speaker mounted externally
- (f) Tow truck should be GPS enabled and can be monitored live from central and command centre. (g) Seating for helpers with storage for tools and tackles.
- (h) Truck shall be mounted with beacon and multi-toned siren.
- (i) Power system with battery backup to meet the power requirement of all the devices and equipment as per specifications.
- (j) Trucks shall be aesthetically designed and must incorporate appropriate branding with approvals. (k) Tow assembly specifications:
- I. A slide infitted to tow truck must be adequately mounted and the load applied to the slider must not be more than the safe working load specified for the slide in unit by its manufacturer or, if no safe working load for the unit has been specified by its manufacturer, the safe working load for the certified by an engineer.
- II. A tow truck must be maintained as required under the Transport Regulation.
- III. A tow truck must be equipped with sufficient means for supporting a load in its raised position while under tow and be fitted with dual wheels on the rear axle
- IV. To ensure some of the mass of a towed motor will be taken on at least 2 safety cones on a single axle of the towed motor vehicle before the tow truck is put in motion, be fitted with space bars designed to minimize any damage that may be caused to the towed motor vehicle.

3.11.7 **Off Street Parking (Open And Covered Parking)-Entry Device**

The entry device is designed for the automatic issue of Short-Term Parker (Visitors, VIP, and Hourly Parker) media and the processing Long-Term Parker (Seasonal Parker) media at the entrance lane of a car park.

- (a) Real time operating system (reduced risk of virus infection)
- (b) Usage of robust flash cards as memory for operating system
- (c) International standard and proven network technology (Ethernet)
- (d) Industrial embedded PC for the self-sufficient control of the device
- (e) Stainless steel construction with structure effect painting and IP65
- (f) Temperature Range -20°C to +50°C
- (g) Air Humidity 0% to 95%
- (h) Terminal is designed for indoor and outdoor use
- (i) Tropicalized PCB's (PCB's are protected against humidity)
- (j) Free choice of housing colour (RAL)

- (k) LEDfullgraphiccolourdisplay
- (l) Back-outticketrecognition
- (m) Anti-passrecognition
- (n) Lowticketrecognition
- (o) Entrydeviceabnormaleventsrecognition
- (p) Dynamicticketdispensinglockifparkingisfull
- (q) NFC/RFIDcompatible
- (r) PresencecheckforShort-TermParkermediaandLong-TermParker(SeasonalParker)media
- (s) Vehicleaccesscontrolintegrated byautogateforlegitimateuser.(t)Fullyconfigurabletext displayandadvertising
- (u) Half-DuplexIntercomsub-station
- (v) InterfacetoIntegrateCCTVCamera
- (w) 10,000storedtransactions–offlineredundancy
- (x) Inter-exchangeabilityofsparesbetweenunits
- (y) LEDdisplaycanbeswitchedoffin“idlemode”=nopresentvehicle
- (z) Basedonweekprofile,devicecanbesetinto“standby”modewithreducedenergyconsumption(automaticwake-upifcarispresentonloop)
- (aa)Barcode/QR-CodeScannerforprocessingofpre-bookingusers.

3.11.8 **OffStreetParking(OpenandCoveredParking)-ExitDevice**

TheexitdeviceisdesignedfortheautomaticexitvalidationofShort-TermParker(HourlyParker)andLong-TermParker(SeasonalParker)mediaattheexitlaneofacarpark.

- (a)Realttimeoperatingsystem(reducedriskofvirusinfection)(b)Usageofrobustflashcardsasmemoryforoperatingsystem
- (c) Internationalstandardandprovennetworktechnology(Ethernet)
- (d) LEDfullgraphiccolourdisplay
- (e) StainlesssteelconstructionwithstructureeffectpaintingandIP65(f)TemperatureRange-20°Cto+50°C
- (g) AirHumidity0%–to95%
- (h) Terminalisdesignedforindoorandoutdooruse
- (j)TropicalizedPCB’s(PCB’sareprotectedagainsthumidity)
- (j) Freechoiceofhousingcolour(RAL)
- (k) RFID(Contactless)Long-TermParker(SeasonalParker)media,fullyintegratedintoCarParkManagementSystem
- (l) PresencecheckforShort-TermParkermediaandLong-TermParker(SeasonalParker)media
- (m) IndustrialembeddedPCfortheself-sufficientcontrolofthedevice
- (n) Half-DuplexIntercomsub-station
- (o) InterfacetoIntegrateCCTVCamera
- (p) 10,000storedtransactions–offlineredundancy
- (q) HandlingofsubstituteparkingmediaforprocessingoflostShort-TermParkermedia

- (r) LED display can be switched off in “idle mode” = no present vehicle
- (s) Based on weekly profile, device can be set into “standby” mode with reduced energy consumption (automatic wake-up if car is present on loop)

3.11.9 **RFID/BluetoothLE/QRCodeTicket/TokenEntry/ExitDevice:(Long-TermParker/SeasonalParker)**

The Long-Term Parker entry/exit device is designed for the automatic processing of Long-Term Parker media like Staffs, Residents, employee, etc., at the entry or exit lane of a car park.

- (a) Real time operating system (reduced risk of virus infection)
- (b) Usage of robust flash cards as memory for operating system
- (c) Stainless steel housing and pillar with IP65
- (d) Temperature Range -20°C to +50°C
- (e) Air Humidity 0% to 95%
- (f) Terminal is designed for indoor and outdoor use
- (g) Tropicalized PCB's (PCB's are protected against humidity) (h) Free choice of housing color (RAL)
- (i) RFID (Contactless) Long-Term Parker (Seasonal Parker) media, fully integrated into Car Park Management System
- (j) Presence check for Long-Term Parker (Seasonal Parker) media
- (k) Half-Duplex Intercom sub-station
- (l) Industrial embedded PC for the self-sufficient control of the device
- (m) 10,000 stored transactions – off-line redundancy

Note: Vendor shall have to provide specifications for RFID/BluetoothLE/QRCodeTicket

3.11.10 **AutoGate/Barrier**

The barrier is designed for the automatic access control of vehicles, triggered by a control terminal (e.g. entry device, exit device, or Express exit).

- (a) Temperature Range -20°C to +50°C (b) Air Humidity 0% to 95%
- (c) Terminal is designed for indoor and outdoor use
- (d) Tropicalized PCB's (PCB's is protected against humidity) (e) Free choice of housing colour (RAL)
- (f) Maintenance-free barrier drive
- (g) Useable as right-hand and left-hand drive, easily changeable on-site
- (h) Fast opening and closing times within 1.5 sec
- (i) Barrier arm is equipped with a rubbered edge on the bottom to prevent damage
- (j) No parts needed (screw etc.) for replacement of run-off barrier arm

3.11.11 **Automatic Pay Station (Cash/Credit Card/Debit Card/Mobile Wallet)**

The automatic pay stations should be designed for the automatic processing of all payment transactions of Short-Term Parker media and Long-Term Parker (Seasonal Parker) media.

- (a) Realtimeoperatingsystem(reducedriskofvirusinfection)
- (b) Usageofrobustflashcardsasmemoryforoperatingsystem
- (c) Internationalstandardandprovennetworktechnology(Ethernet)
- (d) LEDfullgraphiccolourtouchscreendisplay
- (e) Stainlesssteelconstructionwithstructureeffectpainting
- (f) TemperatureRange-20°Cto+50°C(g)AirHumidity0%–to95%
- (h) Terminalisdesignedforoutdooruse
- (i) TropicalizedPCB’s
- (j) Freechoiceofhousingcolour(RAL)
- (k) Customisedinscriptiononfrontplate(e.g. “PAYPARKINGHERE”)(l) IlluminatedTop
- (m) IlluminatedTopwithcustomisedinscription(e.g. “PAYPARKINGHERE”)
- (n) Illuminateduserguidanceofallentryslotsanddispensingslots
- (o) Escrowfunction
- (p) Multi-rodsecuritycabinetlockingfacilitieswithnine(9)lockingpointsatthedoor
- (q) Protective4-Lock-Systemwithhighlevelsecurityandquality,highlevelkeycopyprotection,highestlevelofdrillingandcorepullingprotectionandhighestmanipulationprotection
- (r) Processingoflocalbanknotes
- (s) Dispensingoflocalbanknotes(uptothree(3)types)(t)Receiptprinter
- (u) Deactivationofthecustomerdisplayafterapre-sets switch-offtimefollowinglastpayment
- (v) Unitcan besetinto “standby” modewithreducedenergyconsumption, basedon a freelydefinabletimeprofile
- (w) Remoteormanualwake-upcommand(wake-upbymotiondetectionviaradar)
- (x) PaymentofShort-TermParker(HourlyParker)media
- (y) RFID(Contactless) Short-TermParker(HourlyParker)mediaprocessingandcalculationoftariffin <1.9sec.
- (z) PaymentofoverstayfeesforLong-TermParker(SeasonalParker)media
- (aa)ExtensionofvalidityofLong-TermParker(SeasonalParker)mediawithpre-paymentcontract(bb)RFID(Contactless)Long-TermParker(SeasonalParker)media,fullyintegratedintoCarParkManagementSystem
- (cc)Automaticproductionofparking media as substituteforalostShort-TermParkermedia atafixedratebypressingabutton
- (dd)RemotehandlingofsubstituteparkingmediaforprocessingoflostShort-TermParkermedia(ee)Half-DuplexIntercomsub-station
- (ff)InterfacetoIntegrateCCTVCamera
- (gg)IndustrialembeddedPCfortheself-sufficientcontrolofthedevice(hh)10,000storedtransactions–offlineredundancy
- (ii) Barcode/QR-CodeScanner forprocessingofthirdpartybarcodes as means ofpaymentordiscount.
- (jj)SoftwareevaluationofthirdpartyBarcodes/QR-Codesasvouchers

3.11.12 **SiteDevelopmentRelatedSpecifications**

3.11.12.1 **CarParkManagementSystem**

- (a) Stateoftheartdatabasetechnology,internationallyprovenfortheintegratedmanagementofallparkingtransactions
- (b) Supporting64-bitMicrosoftWindows®OperatingSystems
- (c) Opensoftwarearchitecture(API/UniversalInterfaces)
- (d) Managementofauthorisationlevelsandinternalusergroups(e.g.adminorservicepersonnel)
- (e) UsageofmodernsoftwaretechnologyforallGUIapplications(operationmodules)onthecarparkmanagementserver
- (f) Multi-tasking/multi-applicationcapabilityallowingtoopenseveraloperationmodulesatthesametime
- (g) Workstationsallowingmultipleusersmanagingthecarparksimultaneously

3.11.12.2 **BusinessIntelligence**

- (a) Ad-hocreportingwithdrilldowncapability
- (b) Modernmulti-dimensionaldataplatform
- (c) Separatereportingdatabaseforhigh-performancedataanalysis(datawarehouse)
- (d) Interactiveuserinterfaceandflexibleformattingcapabilities
- (e) Dataanalysisininegratedbrowserbasedclient
- (f) Storageofuserspecificreports
- (g) Importandexportexistingreports
- (h) SupportingreportanalysisviaMicrosoftExcel®(*.xlsfile)(i)Exportin*.xls,*.csv,*.pdfand*.pngfiles
- (j)Flexible“Top10”filtercriteria

3.11.12.3 **UserLoggingAudit**

- (a) Continuouslylogginguserandapplicationactivity
- (b) Informationonwhohassignedonandwhatoccurredduringthesession(i.e.usedwhichapplication/performedwhichfunction)andtheassociatedtimestampstobeprovided

3.11.12.4 **DifferenceCountingModule**

- (a) Integratedsoftwaremoduleforthemanagementoftheoccupancycountersinthecarpark
- (b) Detectingtheoccupancyofeachlevelandthecompletecarpark,categorisedbyreservedSpaces(Long-TermParkers/SeasonalParkers), non-reservedspaces(Short-TermParkers/HourlyParkers),bookedspaces(Short-TermParkers/HourlyParkerswhopre-bookedviainternet)andtotalspaces
- (c) Useofthresholdvaluestocontrolsigns,carparklevels(optionallytariffs)
- (d) Automaticsigncontrol(free/full)dependingonthenumerofcarsinthecarpark
- (e) Automaticsigncontrol,dependingonweekdayandtime

3.11.12.5 **AlarmManagementModule**

- (a) Integratedsoftwaremoduleforthemanagementofalarmsoreventsgeneratedbythefielddevicesortheuserofthecarparkmanagementsystem
- (b) Alarmprioritisationforefficientactionandclearinstructionstostaff

- (c) Configuration of customer specific alarm messages
- (d) Configuration of alarm messages that require a comment by the operator (e.g. manual barrier opening requires a reason to be typed in)
- (e) Alarm log book (history function)
- (f) Alarm counter for displaying alarms with multiple occurrences
- (g) Alarm forwarding via email

3.11.12.6 Customer Administration Module

- (a) Integrated software module for the management of Long-Term Parker (Seasonal Parker) data (e.g. address, invoice details, card numbers).
- (b) Extended Long-Term Parker (Seasonal Parker) access profiles (depending on Day/Time and parking area or integrated parking area)
- (c) Flexible list generator allowing for definition of views and queries/reports on Seasonal Parker data details,
- (d) Automated invoicing
- (e) Invoicing dates and cycles definable

3.11.12.7 Tariff Module

- (a) Software module for the management of parking fees allowing to modify or create a customized tariff structure
- (b) 'Lost ticket at exit' feature (fixed or variable tariff)
- (c) Separate accounting on validation schemes
- (d) Define complex and highly differentiated tariffs (e.g. special tariffs for determined use-cases or user patterns, Daily, hourly one events)
- (e) Tariff tester for tariff verification prior to tariff activation

3.11.12.8 Power Management Module

- (a) Software module for the configuration of device profiles defining "standby" periods per unit or group of units for scheduled shutdown of the devices.
- (b) Control option for "temporary wake-up" of devices out of "standby" mode.

3.11.13 Site Development Related Specifications

Smart Parking

All the project components / facilities shall be as per the design approved by GSCDCL and shall not obstruct the pedestrian access using footpaths, skywalks (FOBs), etc.

Recommended practices for road signs as per IRC 67:2001 and for pedestrian facilities as per IRC 103:1988 shall be followed.

3.11.14 Civil and Structural Specifications

SMART PARKING

The civil works shall be performed in accordance with MPUADD Specifications & is available at MPUADD Website (www.mpurban.gov.in). The provisions of General / Special Conditions of Contract, those specified elsewhere in the bid document, as well as execution drawings and notes, details mentioned in the Bill of Quantities, or other specifications issued in writing by GSCDCL shall form part of the technical specification of this work.

For items not covered under MP-

UADD specifications with corrections slips or those specifications are not given in the technical specifications ap

pendedor not incorporated in the nomenclature of the individual item, the work shall be done as per latest relevant BIS Codes of Practice or as per approval of Engineer-in-charge. It is also advised that the Concessionaire carry out their own investigations related to soil condition, strata, bearing capacity and other characteristics of the project locations.

3.11.13 Lighting(SmartParking)

Lighting shall be designed to provide adequate vision, comfort and safety. It shall be designed to provide uniform lighting of minimum throughout the facility with no dark patches or pockets and shall conform to IS 7537 (Part 0/S ec 0): 1974 of BIS.

3.11.14 Other Standards

3.11.14.1 Smart Parking

(a) The Concessionaire shall take such measures and exercise to protect the site during the course of the works as directed by and to the entire satisfaction of the GSCDCL.

(b) The Concessionaire shall submit a programme supported with Bar Chart for construction of project/ sinaphased manners so as to cause least inconvenience to the public. The construction and erection work shall be carried out during night hours / restricted hours keeping in view the safety of pedestrians / traffic. The Concessionaire should give their complete program for different stages of execution including planning, designing, fabrication and erection, etc.

(c) During the construction period, the Concessionaire shall make suitable arrangements to coordinate with the GSCDCL, Officer In Charge and provide all necessary information so as to allow the GSCDCL, Officer In Charge to monitor the progress and quality of construction in line with the role of the GSCDCL, Officer In Charge as provided in the Concession Agreement.

(d) The Concessionaire shall provide all equipment and materials necessary to provide the Services.

(e) The installed facility and equipments shall be inspected, checked and tested to verify that it is correct, comply with specification and has been installed in accordance with design drawings and as per defined technical specifications.

(f) The following checks shall be carried out before acceptance of various units and equipment:

- I. Dimension of all the civil structures as per the approved drawings
- II. Pipes and related accessories installed as per the approved drawings
- III. Alignment of equipment as per the approved drawings
- IV. All the electrical works to be tested for routine and type tests
- V. Installation of cables, earthing works as per relevant IS or international codes

(g) The commercial space (as approved by GSCDCL) provided to the Concessionaire shall be used strictly for the purpose for which they are allotted.

(h) Wherever any reference to any Indian Standard Specifications and / or IRC codes occur in the documents relating to this contract, the same shall be inclusive of all amendments issued thereto or revision thereof if any, up to the date of receipt of Bid.

(i) The work shall be executed with highest degree of efficiency and all safety aspects shall be adopted as per International practices as directed by GSCDCL, Officer In Charge.

3.11.14.2 Maintenance and Performance Standards

Preamble

The following maintenance and performance standards cover only some of the minimum requirements for operation. The Concessionaire shall operate, maintain, and manage the proposed Smart Parking strictly conforming to other relevant Indian standards, the best industry practices, and internationally acceptable norms.

General

During the period of operation, the Concessionaires shall maintain all the facilities in accordance with performance standards and maintenance requirements, as mentioned below:

- a. Perform maintenance on a routine and periodic basis.
- b. Provide functional facilities that
 - i. Meet the requirements of Smart Parking System;
 - ii. Ensure the safety of the pedestrian and road users; and
 - iii. Maintain a clean and hygienic environment at Project locations.
- c. Identify potential problems early within the context of the planned maintenance systems so that corrective action may be planned and completed in a timely manner.
- d. Establish a maintenance list for planned operation and maintenance. Follow an orderly program so that maximum operational efficiency is attained.
- e. Maintain regular and systematic records of all maintenance and operations activity at the Facilities.

Maintenance Works

- i. The Concessionaires shall in consultation with GSCDCL and/or GSCDCL, Officer In Charge evolve an Operation and Maintenance Manual.
- ii. The Concessionaires shall perform routine and periodic maintenance activities for the project infrastructure viz, civil, mechanical and electrical works and equipment, services, facilities.
- iii. Maintenance of all the electrical-mechanical equipment's, machineries shall be as per 'Original Equipment Manufacturers' (OEM) standards.

Maintenance Performance Standards

- a) The Concessionaires shall maintain the Project Facility in good and usable condition throughout the Concession Period or any extension thereof through regular and preventive maintenance of the Project Facility
- b) The Operation and Maintenance Manual shall include all the activities required for regular and periodic maintenance of the facility during the Concession Period, so that the facility is maintained in a manner that at all times it complies with the specifications and standards and at the time of divestment of rights and interests by the Concessionaire in terms of the Concession Agreement in sound, durable and functional condition

3.11.14.3 Reporting and Monitoring

Reporting

Suitable reporting software should be available to generate standard report formats to measure / verify various SLAs, for monitoring the performance, etc.

- (a) To suggest other report formats that could be useful for managing Control Room operations, apart from the reports requested by GSCDCL.
- (b) To provide for flexible report formats, in .xls, .txt or any other user-friendly structure including graphics depending on the request of the GSCDCL from time to time
- (c) Reports should be available remotely also in GSCDCL through electronic means like web based access with password security and emails, etc. The report should include latest data, if the authorised report seeker does not specify period.
- (d) To develop and implement requisite application for hosting / updating of other information (i.e. information not available in GSCDCL backend systems, like FAQ, service details, etc.) in IT system as well as on website notified by GSCDCL.

Monitoring

A facility should be available for GSCDCL monitoring team, external and internal auditor to periodically inspect the functioning of Call Centre. The monitoring team should be able to access all sub-systems/ servers, records in respect of Information Technology, security measures including Data and Software Back-ups, firewalls, anti-virus software updates, etc. Additionally,

- (a) GSCDCL may also deploy tools to monitor performance of various system to rule out any possibility of tampering the data, which may have an effect on billing of the Vendor.
- (b) It should be possible to remotely monitor performance on all SLAs/ KPIs and also of all the applications provided by the system i.e. real-time ACD statistics, calls in queue, number of agents logged in, number of agents abandoned answered calls, query of the call logs of a particular customer, etc., by designated Call Centre Coordinator or Call Centre in-charge.

Service Level Agreement

- (a) The purpose of this Service Level Agreement (hereinafter called SLA) is to clearly define the levels of service which shall be provided by the Bidder to End Customer and GSCDCL for the duration of the contract. The SLA is intended to establish a clear set of measurable parameters against which the performance of the Bidder can be measured.
- (b) The Concessionaire and GSCDCL shall maintain a monthly contact to monitor the performance of the services being provided by the Bidder.
- (c) The Concessionaire agrees to the following SLA parameters while providing services to the customers/ caller through the established GSCDCL Call Center. The SLA shall be monitored periodically and non-adherence of these SLAs is bound to attract penalties as described in the following Clauses. However, the penalties shall be applicable only after the 2nd (Second) month of the operation of Concessionaire Control Room.

3.11.14.4 SLA during Implementation

These SLAs shall be used to evaluate the timelines for completion of deliverables that are listed in the deliverable. These SLAs will be applicable for commissioning of the project (implementation of the complete project as per scope of the work defined in this RFP document). For delay of every week in completion and submission of the deliverable mentioned in the proposal, the Concessionaire would be charged with penalty as follows

In case, the Concessionaire reaches maximum of penalty at any point of time, GSCDCL reserves the right to invoke the termination clause.

The Smart Parking System shall be installed and operationalised by the Concessionaire within Three (3) months from the agreement date/Date of Clear Site Handover from GSCDCL whichever is earlier in accordance with the RFP stipulations. Any delay in installation or operationalisation of Smart Parking System will attract the penalty as given below on Concessionaire on each incomplete parking site.

Delay	Value
Per week	2.5% of Minimum Concession Fee
Maximum (4 weeks)	10% of Minimum Concession Fee

Note: GSCDCL reserves the right to terminate the Concession Agreement in case of any delay in implementation of Smart Parking System beyond 4 weeks.

3.11.14.5 Post-Implementation SLA

These SLAs shall be used to evaluate the performance of the services on weekly basis but penalties would be levied for cumulative performance for the quarter basis.

- (a) If any complaint of over-charging or collecting parking charges outside the parking area defined in RFP document or subsequently alloted is received from the complainant or any violation is noticed, the same shall be investigated by the GSCDCL and if found true, then a penalty of minimum

mamountofRs.10000/-

foreachsuchincidentshallbeimposedontheConcessionaireandforrepeatedviolation,actionsshallbetakenag
ainsttheConcessionaireasperclauseofthisRFPtoterminateagreement.

(b) TheConcessionairehastoensurethatallthevehicleswillbeparkedinthepacedefinedforeachvehicleinth
eparkinglot.Theparkingattendantwillensureproperparkingofvehiclesineachslot.Foreachsuchviolationap
enaltyofRupeesTwohundredpervehicleperincidentwillbeimposed.

(c) TheConcessionairehastoensurethatthenumberofvehiclesparkedshallnotexceedthedesignatedcapacit
yofeachparkinglot.ForeachsuchviolationapenaltyofRupeesFiveThousandpervehicleperincidentwillbeimp
osed.

(d) Fornon-
operationofdatabaseonanyofthedayGSCDCLwillchargeTheConcessionfeeofthatdayequaltothehighestcoll
ectionofparkingchargesforadayinyear

(e) Theuptimecommitmentofalltheparkingsensors,LEDdisplay,oranyotherequipment/communicationde
vicesusedforreal-
timeavailabilityofparkingspacesanditsbillingis99%.TheuptimecommitmentofalltheCCTVandrelatedequi
pmentanditscommunicationdevicesis98%.

(f) Iftheonlineinformationofparkedvehicles/availabilityofparkingisnotmatchingwiththeactualposition(99
%accuracy)thanapenaltyofRs.5000/-(RupeesFiveThousand)perparkinglotperdaywillbeimposed.

(g) Nonofflinebillingofparkingchargeswillbeallowed.TheConcessionairehastotakestandbyarrangementoft
heinternet/networkconnectivitysothatincasethelinesystemisdownatanytime.TheConcessionairehasto
keepthesparehandhelddevice,computers,networkequipmentandotherequipmentsothatthesystemwillbeo
perationalallthetime.

3.11.14.6 OtherPenalties

(a) Penaltiesforvehicleparkedoutsideparkinglotbutnottowaway/clampedbytheConcessionaireapenaltyof
Rs.200/-pervehicleperdaywillbelevied.

(b) ItisexpectedthattheConcessionaireshouldcomplywithallthePolicy/Procedural/RegulatoryGuideline
senforcedbyGovernmentofIndia,GovernmentofMadhyaPradesh,andotherstatutoryandrelatedbodies,asa
mendedfromtimetotime.TheConcessionaireshouldalsosafeguardtheApplicationSecurityandApplicationI
ntegrity.

(c) Penaltywouldbeapplicablefornon-complianceofrelevantsecuritycertifications.
TherewouldbeZeroTolerancepolicyagainstsuchbreaches.Thepenaltiesacrossvariousbreachescouldbecate
gorisedasfollows(thisincludesbutnotlimitedtothefollowing):

- I. InformationSecurityBreach:Anydataleakage,informationsharing,reportssharingwithouttheconsen
tofGSCDCL.
- II. Network andSystemSecurityBreach:Any instance ofhacking,information / data
compromise,unauthorisedaccessstopublicWi-Fi.
- III. GuidelinesBreach:Non-
complianceofguidelinessharedbyvariousgovernmentagenciessuchascomplyingwithstandardsforw
eb site / mobileappdevelopment,etc.

Foranyofthebreachforabove-
mentionedcategory,apenaltywouldbeleviedontheConcessionaireforeveryinstanceofoccurrenceifnotrespo
ndedasperthetimetelinedmentionedinthetablebelow:

Type	Measurement(U nit)	ResponseTime(I nUnit)	Penalty OnR esponsew.r.t. Delay/Unit
InformationSecurityBreach	Hours	1	₹ 1000

Type	Measurement (Unit)	Response Time (In Unit)	Penalty On Response w.r.t.
Network and System Security Breach	Hours	1	₹ 1000
Guidelines Breach	Days	7	₹ 5000

The response time refers to immediate remedial action taken and preventive measures updated by the Concessionaire on occurrence of the event. In case the breaches are not responded to in the time frame as specified, penalties would be levied as per the table above and failing to address the breach in desired timeline, recurring penalties would be levied w.r.t. to delay in units as mentioned. For example, in case of an Information Security Breach, the Concessionaire has to respond within one (1) hour of the event occurrence.

Guidelines Breach includes non-compliance to certain guidelines as set by various agencies like Ministry of Communications and Information Technology, Department of Science and Technology, or other statutory Authorities, etc. In such cases, resolution of the issue is mandatory. The Concessionaire would be required to respond with the action plan / change request, as applicable, in order to resolve the guidelines breach within the specified response time.

Penalties shall not be levied on the Concessionaire in the following cases

- In case of a force majeure event effecting the SLA which is beyond the control of the Concessionaire. Force Majeure events shall be considered in line with the Force Majeure clause mentioned in this RFP document.
- Theft cases by default / vandalism would not be considered as “beyond the control of Concessionaire”. Hence, the Concessionaire should be taking adequate anti-theft measures, spare strategy, Insurance as required to maintain the desired required SLA.

3.11.14.7 Review of SLA Parameters

The SLA design is based on the scope of services and operational aspects of Bidder. Due to evolving nature of the proposed project, a review of SLAs will be conducted at the end of three months from the date of go-live of the Bidder. The purpose of this review is to reassess the SLAs based on the first three months’ call volumes. GSCDCL, after thorough analysis of the monthly statistics monitored as per the above mentioned SLA parameters, may consider revision of the SLA parameters and update this agreement. And if the revision occurs, then the revised SLAs would be final and binding for the rest of the term of the contract.

DECLARATION

I/WE declare that I/WE have read the above terms and conditions for **“Selection of Concessionaire for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for On Street, Off Street and Multi-Level Parking in Gwalior on PPP Model”** and the rates quoted by me / us to which I/WE have subscribed my / our signatures. I/WE undertake to abide by the said terms and conditions and the rate quoted by me / us. I/WE am / are major on the date of making this declaration.

Signature of the Bidder

Name: _____

Address: _____

Dated: _____

Witnesses:

1.

2.

Name:

Name:

Address:

Address:

Dated:

Dated:

Section 4.0

FORMATSFORBIDSU BMISSION

SECTION 4.0: FORMATS FOR BIDS SUBMISSION

Annexure 1 – Parking Sites

Sl. no.	Parking Location	Type	Capacity 2 Wheeler	Capacity 4 Wheeler	Implementation Period	Minimum Concession Fee of the Package		
PACKAGE I – ABD								
Central Business District (CBD)								
1	Darji Oli Agrasen Complex	On-Street	35	6	2 Months			
Rest of Area Based Development (ABD)								
2	Surya Narayan Mandir Parisar, Daulatganj	Off-Street	57	7				
3	Mini Stadium, Near Chattri Bazaar Maidan Gate	On-Street	32	1				
4	Bus Parking, Aamkho	Off-Street	0	80 (Buses)				
5	Chamber of Commerce Boundary Wall Parking	On-Street	0	16				
6	Katoratal	Off-Street	80	19				
7	Ashok Travels, Kampoo	On-Street	40	2				
8	In Front of Alankar Hotel	Off-Street & On-Street	59	22				

Sl. no.	Parking Location	Type	Capacity 2 Wheeler	Capacity 4 Wheeler	Implementation Period	Minimum Concession Fee of the Package
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9	Boundary in front of District court and Behind Giriraj Mandir Parking	On-Street	0	16		
10	Naya Bazaar, Multi-Level Parking	MLCP	123	0		
PACKAGE II - PANCITY						
11	Behind Rajeev Plaza	Off-Street	0	26	2 months	
12	Gandhi Prani Udyan, Phool Bagh, Naveen Gate	On-Street and Off-Street	67	8		
13	ISBT, Bus Stand	Off-Street	310	0		
14	Chaupaati, Phoolbagh	Off-Street	130	28		
15	Maan Singh Mahal, Gwalior Fort	Off-Street	221	38		
16	Kalyaan Memorial Hospital, Morar	Off-Street	70	21		
17	Scooter-Motorcycle Stand, Birlanagar and Lalpur Nalla	On-Street	71	5		
18	Morar Girls College, Raamjaanki Mandir	Off-Street	0	40		
19	Rawaldas, Phool Bagh Chauraha	On-Street	28	6		
20	Sanjay Complex (Road Along Boundary between Sanjay Complex & Rajeev Plaza)	Off-Street	18	7		
21	Near District High Court, Near Sheela and Inside Barricades (Giriraj Mandir)	Off-Street	83	0		

Sl. no.	Parking Location	Type	Capacity 2 Wheeler	Capacity 4 Wheeler	Implementation Period	Minimum Concession Fee of the Package
22	From Baradari Chowk, Grover to Utkrisha School	On-Street	0	22		

23	Salasar Mall, Multi-Level Parking (Block A and B)	MLCP	212	260		
24	Scooter-Motorcycle Stand, Sabimandi Morar	On-Street	13	1		

Note:

- Total contract term is twelve years from the date of handing over of the site
- The Bidders shall operate, maintain and manage the complete parking solution, throughout the Concession period in accordance with this RFP document.
- The manpower given in the RFP is the minimum indicative requirement.

Annexure2-IndicativeBillofMaterialsforSmartParkingManagementandGuidanceSystem

Sl. no.	NameOfParkingLot	Type	Area	POS	Digital Display	LineParking	TicketDispenser	Camera	Small Hut
1	DarjiOliAgrasen Complex	On-Street	288	1	1	Vendor study	1	2	1
2	MiniStadium,NearChattriBazaarMaidanGate	On-Street	150	1	1		1	2	1
3	ChamberofCommerceBoundaryWallParking	On-Street	435	1	1		1	2	1
4	AshokTravels,Kampoo	On-Street	400	1	1		1	2	1
5	InFrontofAlankarHotel	On-Street	790	1	1		1	2	1
6	BoundaryinfrontofDistrictcourtandBehindGirirajMandirParking	On-Street	210	1	1		1	2	1
7	GandhiPraniUdyan,PhoolBagh,NaveenGate	On-Street	456	1	1		1	2	1
8	Scooter-MotorcycleStand,BirlanagarandalongNalla(muudy parking)	On-Street	390	1	1		1	2	1
9	Rawaldas,PhoolBaghChauraha	On-Street	270	1	1		1	2	1
10	FromBaradariChowk,GrovertoUtkrishtaschool	On-Street	600	1	1		1	2	1
11	Scooter-MotorcycleStand,SubjiMandiMurar	On-Street	70	1	1		1	2	1

Sl. NO	Name OfParkingLot	Type	Area	POS	DigitalDisplay	LineParking	TicketDispenser	Camera	SmallHut	BoomBarrier	EntryGate	ExitGate
1	SuryaNarayanMandirParisar,Daulatganj	Off-Street	402	1	1		1	5	1	1	1	1
2	BusParking,Aamkho	Off-Street	4500	1	1		1	5	1	1	1	1
3	Katoratal	Off-Street	800	1	1		1	4	1	1	1	1
4	NayaBazaar,MultiLevelParking	Off-Street	0	1	1		1	4	1	1	1	1
5	BehindRajeevPlaza	Off-Street	700	1	1		1	4	1	1	1	1
6	ISBT, BusStand	Off-Street	1086	1	1		1	5	1	1	1	1
7	Chaupaati,Phoolbagh	Off-Street	1200	1	1		1	4	1	1	1	1
8	Maan Singh Mahal	Off-Street	1800	1	1		1	4	1	1	1	1
9	KalyaanMemorialHospital,Morar	Off-Street	820	1	1		1	5	1	1	1	1
10	MorarGirlsCollege,RamjaankiMandir.	Off-Street	1070	1	1		1	5	1	1	1	1
11	InFront ofSanjayComplex,Nea	Off-Street	240	1	1		1	5	1	1	1	1
12	NearDistricthighcourt,NearShedandInsideBarricades(GirirajMandir)	Off-Street	290	1	1		1	5	1	1	1	1
13	SalasarMall,Multi-LevelParking(BlockAandB)	Off-Street	0	1	1		1		1	1	1	1

Note:

This is minimum technical specification with indicative quantities for successful completion of this project required for implementing project in proposed parking lots mentioned in Annexure-

1. The Concessionaires are free to increase the quantity if their technical solution warrants.

Annexure 3 – Covering Letter

{To be printed on the authorised Letterhead of the Bidder / Lead Member, including full postal address, telephone, faxes and e-mail address}

Dated:.....

To

Executive Director,
Gwalior Smart City Development Corporation Limited (GSCDCL), Gwalior Municipal Corporation,
Narayan Krishna Shejwalkar Bhawan, City Center, Gwalior-474011, Madhya Pradesh.

Subject: Submission of Bid for “Selection of Concessionaire for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for On Street, Off Street and Multi-Level Parking in Gwalior on PPP Model”.

Dear Sir,

1. We are submitting this Bid (Proposal) on our own.
2. Having visited the site and examined the RFP Documents, for the execution of the Concession Agreement for the captioned Project, we the undersigned offer to finance, construct, operate and maintain the whole of the said Project for the Concession Period in conformity with the RFP.
3. This Bid and your written acceptance of it shall form part of the Project Agreement to be signed between the Concessionaire and the GSCDCL. If a Bidder is nominated as Successful Bidder, we understand that it is on the basis of the technical, financial and organisational capabilities and experience of the Bidder taken together. We understand that the bases for our qualification will be the complete Bid document submitted along with this letter, and that any circumstance affecting our continued eligibility as per RFP, or any circumstance which would lead or have led to our disqualification, shall result in our disqualification under this Bidding process.
4. We agree that
 - a) if we fail to meet the Minimum Development Obligations and / or Technical specifications and / or the Performance Standards according to the conditions / stipulations of the RFP / Concession Agreement, OR
 - b) If we fail to offer provide required facilities to GSCDCL or its Authorised Representative for carrying out the inspection of works, operations and performance, then GSCDCL or its representatives shall be at liberty to take action in accordance with the RFP / Concession Agreement.
5. We undertake, if our Bid is accepted, we will complete the Project, commence operations and maintain the project facilities as per the RFP / Concession Agreement.
6. We agree to abide by this Bid for a period of 180 (One Eighty) days from this bid submission Due Date fixed and it shall remain binding upon us and may be accepted at any time before the expiry of that period.
7. In the event of our Bid being accepted, we agree to enter into a formal Concession Agreement with GSCDCL as per the RFP.
8. If our Bid is accepted, we agree for the following:
 - a) To furnish an unconditional and irrevocable Bank Guarantee (as mentioned in RFP) towards

performance security within 15 days of LOA and as a pre-condition for signing of Concession Agreement as per the RFP.

9. We agree that if we fail to fulfil any of the conditions mentioned above, GSCDCL should have the right to forfeit the Bid Security/EMD being furnished by us along with this Bid.

10. Notwithstanding any qualifications of conditions, whether implied or otherwise, contained in our Proposal, we hereby represent and confirm that our Proposal is unqualified and unconditional in all respects and we agree to the terms as under.

a) Minimum Development Obligations as indicated in the RFP;

b) Development Control of GSCDCL or any other statutory authorities etc. c) The Technical specifications, the performance standard etc. as stipulated in the RFP;

d) Any other regulation as applicable.

11. We understand that GSCDCL is not bound to accept any or all Bids it may receive.

12. We declare that we have disclosed all material information, facts and circumstances, which would be relevant to and have a bearing on the evaluation of our Bid and selection as Concessionaire.

13. We do, also, certify that all the statements made and/or any information provided in our proposal is true and correct and complete in all aspects.

14. We declare that in the event that GSCDCL discovers anything contrary to our above declarations, it is empowered to disqualify us and our Bid from further participation in the Bid evaluation process and forfeit our Bid Security

Dated this _____ day of _____ 2017

(Signature)

Name of the person)

_____ (In the capacity of)

(Name of Bidder) _____ Seal _____

Annexure4–ProjectUndertaking

(OntheLetterHeadoftheBidder/LeadMember)

Date----

ExecutiveDirector,
GwaliorSmartCityDevelopmentCorporationLimited(GSCDCL),Gw
aliorMunicipalCorporation,
NarayanKrishnaShejwalkarBhawan, CityCenter, Gwalior-
474011, MadhyaPradesh.

DearSir,

**Subject:SubmissionofBidfor“SelectionofConcessionaireforDesign,Development,Implementation,
OperationandMaintenanceofSmartParkingSolutionforOnStreet, OffStreet andMulti-
LevelParkinginGwalioronPPPModel”.**

WehavereadandunderstoodtheRequestforProposal(RFP)documentinrespectofthecaptionedprojectprovid
edtousbyGSCDCL.

Weherebyagreeandundertakeasunder:

Notwithstandinganyqualificationsofconditions, whetherimpliedorotherwise, containedinourProposal, weh
erebyrepresentandconfirmthatourProposalisunqualifiedandunconditionalinallrespectsandweagreeothe
termsoftheproposedAgreement, adraftofwhichalsoformsapartoftheRFPdocumentprovidedtous.

Datedthis.....Dayof.....2017

NameoftheBidder

SignatureoftheAuthorisedPersonNameof

theAuthorisedPerson

TECHNICAL PROPOSAL FORMATS

Annexure 5–Format for Letter of Undertaking for Technical Bid [On the Letter Head of the Bidder / Lead Member]

Date:

Executive Director,
Gwalior Smart City Development Corporation Limited (GSCDCL), Gwalior Municipal Corporation,
Narayan Krishna Shejwalkar Bhawan, City Center, Gwalior-474011, Madhya Pradesh

Dear Sir,

Subject: Submission of Bid for “Selection of Concessionaire for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for On Street, Off Street and Multi-Level Parking in Gwalior on PPP Model”.

As a part of the Bid for “Selection of Concessionaire for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for On Street, Off Street and Multi-Level Parking in Gwalior on PPP Model” we hereby agree to develop and operate the Project as per the requirements stipulated in the RFP. We hereby undertake that if the Project is awarded to us, we will meet requirements as specified hereunder and hereby give our compliance for the same.

- (a) Proof for Eligibility Criteria
- (b) Statement of Legal Capacity (as per the format provided in RFP)
- (c) Power of Attorney (of lead bidder in case of consortium - as per the format provided in RFP)
- (d) Joint Bidding Agreement (in case of Consortium)
- (e) Project Approach and Methodology Paper
- (f) CV of Key Personnel (as per the format provided in RFP)
- (g) Relevant past Experience as requested in the RFP Technical Evaluation Criteria
- (h) Bill of Material (as per the RFP)

We hereby assure GSCDCL and guarantee that in future, from time to time whenever we are required to undertake or follow any specific guideline / law, we shall do the needful as required to ensure that the project and the Concessionaire comply with the legal requirements.

We hereby declare that all the information and statements made in this Proposal are true and accept that any misinterpretation contained in it may lead to our disqualification.

Yours faithfully,

(Signature of Authorised Signatory) (Name, Title, Address, Date)

Annexure 6 – Format for Letter of Application

(On the Letterhead of the Bidder or Lead Member in case of Consortium) Date:

Executive Director,

Gwalior Smart City Development Corporation Limited (GSCDCL), Gwa

lior Municipal Corporation,

Narayan Krishna Shejwalkar Bhawan, City Center, Gwali

or-474011, Madhya Pradesh

Dear Sir,

1. Being duly authorised to represent and act on behalf of.....(Herein referred to as the Bidder"), and having reviewed and fully understood all the qualification information provided, the undersigned hereby apply to be qualified as a bidder for the Project of **"Selection of Concessionaire for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for On Street, Off Street and Multi-Level Parking in Gwalior on PPP Model"**.

2. GSCDCL and its authorised representatives are hereby authorised to conduct any inquiries or investigation to verify the statements, documents, and informations submitted in connection with this application, and to seek clarification from our bankers and client regarding any financial and technical aspects. This letter of Application will also serve as an authorisation to any individual or authorised representative of any institution, to provide such information deemed necessary to verify statements and information provided in this application, or with regard to their resources, experience, and our competence.

3. This Application is made in the full understanding that:

- a) Bids by Qualified Bidders (Bidders) will be subject to verification of all information submitted for qualification at the time of bidding;
- b) GSCDCL reserves the right to reject or accept any Application, cancel the qualification process, and reject all Bid; and
- c) GSCDCL and its authorised representatives, consultants, advisors, etc., shall not be liable for any such actions and shall be under no obligation to inform the Bidder of the grounds for them.

The undersigned declare that the statements made and the information provided in the duly completed Application are complete, true, and correct in every detail.

Authorised Signatory Name:

Designation:

Annexure 7–CV of the Key Personnel

1. Proposed Position: [For each position of key professional separate form will be prepared]:
2. Name of Bidder: [Insert name of Bidder proposing the staff]:
3. Name of Staff: [Insert full name]:
4. Brief Profile of Proposed Staff: [Provides summary of proposed staff experience, qualifications and achievements in not more than 250 words]
5. Date of Birth:
6. Nationality:
7. Education: [Indicate college/university and other specialised education of staff member, giving names of institutions, degrees obtained, and dates of obtainment]:
8. Membership of Professional Associations:
9. Other Training:
10. Countries of Work Experience: [List countries where staff has worked in the last ten years]:
11. Languages [For each language indicate proficiency: good, fair, or poor in speaking, reading, and writing]:
12. Employment Record: [Starting with present position, list in reverse order every employment held by staff members since graduation, giving for each employment (see form at here below): dates of employment, name of employing organisation, positions held]:

From [Year]:

To [Year]: Employer:

Positions held:

13. Detailed Tasks Assigned: [List all tasks to be performed under this Assignment]

14. Work Undertaken that Best Illustrates Capability to Handle the Tasks Assigned [Among the Assignment/job in which the staff has been involved, indicate the following information for those Assignment/job that best illustrate staff capability to handle the tasks listed under point 12.]

Name of Assignment or project:

Employer: Year:
project features:

Location: Main

Positions held: Activities performed:

(Signature and name of the authorised signatory of the Bidder)

Note:

1. Use separate form for each Key Personnel.
2. Each page of the CV to have scanned or original signature of the Key Personnel but it is required countersigned by Authorised Signatory in original.
3. Each Key Expert CV shall not exceed 5 pages

Annexure 8–No Blacklisting Declaration

[On the letterhead of the Bidder/Each of the consortium member]

As on date of submission of the proposal, the bidder/each member of the consortium should not have been blacklisted by any Government entity (Central or State Government or PSU) in India or is under a declaration of financial eligibility for fraudulent or corrupt practices by any Government entity (Central or State Government or PSU) in India.

[On the letterhead of the organisation]

No-Blacklisting Declaration

This is to certify that----- (Name of the organisation), having registered office at----- (Address of the registered office), as on date of submission of the proposal, have not been blacklisted by any Government entity (Central or State Government or PSU) in India or is under a declaration of financial eligibility for fraudulent or corrupt practices by any Government entity (Central or State Government or PSU) in India.

Signature:

Name of the Authorised Signatory: Designation:

Note: In case, information required by GSCDCL is not provided by the bidder in the forms/formats provided above, GSCDCL shall proceed with the evaluation based on information provided and may not request the bidder for further information. Hence, responsibility for providing information as required in the above forms lies solely with the bidders.

Annexure 9 – Joint Bidding Agreement

(To be executed on Stamp paper of appropriate value)

THIS JOINT BIDDING AGREEMENT is entered into on this the..... day of....., 2017.

BETWEEN

1. {.....Limited,acompanyincorporatedundertheCompaniesAct,.....}andhavingitsregisteredofficeat(Hereinafterreferredtoasthe“FirstPart”whichexpressionshall,unlessrepugnanttothecontextinclu deitssuccessorsandpermittedassigns)

AND

2. {.....Limited,acompanyincorporatedundertheCompaniesAct,1956}andhavingitsregisteredofficeat(Hereinafterreferredtoasthe“SecondPart”whichexpressionshall,unlessrepugnanttothecontextinclu deitssuccessorsandpermittedassigns)

WHEREAS

(A) GwaliorSmartcityDevelopmentCorporationLtd.GSCDCL),representedbyitsExecutiveDirectorand havingitsprincipalofficeatGwaliorMunicipalCorporation,NarayanKrishnaShejwalkarBhawan,CityCent er,Gwalior- 474011,MadhyaPradesh(hereinafterreferredtoasthe“GSCDCL”whichexpressionshall,unlessrepugnantto thecontextormeaningthereof,includeitsadministrators,successorsand assigns)hasinvitedBidsbyitsRequestforProposalNo.....dated.....(the“RFP”)RequestforProposalf orSelectionofConcessionaireforDesign,Development,Implementation,OperationandMaintenanceofParki ngGuidanceandManagementSolution foronstreet,offstreetandMLC ParkingSpacesinGSCDCLareaonPPPmodel

(B) ThePartiesareinterestedinjointlybiddingfortheProjectasmembersofaConsortiumandinaccordancewit hthetermsandconditionsoftheRFPdocumentandotherbiddocumentsinrespectof theProject,and

(C) ItisanecessaryconditionundertheRFPdocumentthatthemembersoftheConsortiumshallenterintoaJoi ntBiddingAgreementandfurnishacopythereofwiththeApplication.

NOWITISHEREBYAGREEDasfollows:

1. DefinitionsandInterpretations

InthisAgreement,thecapitalisedtermsshall,unlessthecontextotherwiserequires,havethemeaningascribed theretoundertheRFP.

2. Consortium

2.1 ThePartiesdoherebyirrevocablyconstituteaconsortium(the“Consortium”)forthepurposesofjointlypar ticipatingintheBiddingProcessfortheProject.

2.2 ThePartiesherebyundertaketoparticipateintheBiddingProcessonlythroughthisConsortiumandneit herindividuallynorthroughanyotherconsortiumconstitutedforthisProject,eitherdirectlyorindirectlythr oughanyoftheirAssociates.

4. RoleoftheParties

ThePartiesherebyundertaketoperformtherolesandresponsibilitiesasdescribedbelow:

(a)PartyoftheFirstPartshallbethe Leadmemberof the Consortiumandshall have thepowerofattorneyfromallPartiesforconductingallbusinessforandonbehalfoftheConsortiumduringtheBi ddingProcessanduntiltheAppointedDateundertheConcessionAgreementwhenalltheobligationsoftheCon sortiumshallbecomeeffective;

(b)PartyoftheSecondPartshallbe-----

5. JointandSeverallLiability

ThePartiesdoherebyundertaketobejointlyandseverallyresponsibleforallobligationsandliabilitiesrelatingto theProjectandinaccordancewiththetermsoftheRFPandtheConcession

Agreement, till such time as the Financial Close for the Project is achieved under and in accordance with the Concession Agreement.

6. Shareholding in the Consortium

6.1 The Parties agree that the proportion of shareholding among the Parties in the Consortium shall be as follows:

First Party: At least 51%
Second Party: at least 26%

6.2 The Parties undertake that they shall comply with all equity lock-in requirements set forth in the Concession Agreement.

Lead member, at any point of time throughout the Concession period, cannot assign or delegate its rights, duties or obligations under the Agreement. Other member of the consortium, at any given point of time, may assign or delegate its rights, duties or obligations under the Agreement except with prior written consent of the GSCDCL. In such case, substitute members shall be of at least equal, in terms of Technical Capacity and / or Financial Capacity, as the case may be, to the Consortium Member who is sought to be substituted and the modified Consortium members shall continue to meet the pre-qualification and short-listing criteria for Bidders.

The lead member will remain responsible for successful delivery of the project at all times throughout the Concession period. All the members shall comply with the following additional requirements:

- (i) number of members in a consortium shall not exceed 2 (two);
- (ii) the Applications should contain the information required for each member of the Consortium;
- (iii) Members of the Consortium shall nominate one member as the lead member (the "Lead Member"), who shall have the highest equity shareholding in consortium and shall have an equity shareholding of at least 34% (thirty four percent) of the paid up equity of the Consortium. The nomination(s) shall be supported by a Power of Attorney, as per the format at Annexure-9, signed by all the other members of the Consortium;
- (iv) the Applications should include a brief description of the roles and responsibilities of individual consortium members, particularly with reference to financial, technical and O&M obligations;
- (v) An individual Bidder cannot at the same time be member of a Consortium applying for this project. Further, a member of a particular Bidder Consortium cannot be member of any other Bidder Consortium applying for this project;
- (vi) undertake that each of the members of the Consortium shall have an independent, definite and separate scope of work which was allocated as per each member's field of expertise;
- (vii) commit to the profit and loss sharing ratio of each member; commit that scope of work, rights, obligations and liabilities to be held by each member; specifically commit that the Lead Member shall be answerable on behalf of other members for the performance of obligations under this Agreement;
- (viii) include a statement to the effect that all members of the Consortium shall be severally liable for all obligations in relation to the Assignment until the completion of the Assignment in accordance with the Agreement
- (ix) Members of the Consortium shall enter into a binding Joint Bidding Agreement, substantially in the form specified at Annexure-10 (the "Joint Bidding Agreement"), for the purpose of making the Application and submitting a Bid in the event of being short-listed. The Joint Bidding Agreement, to be submitted along with the Application, shall, inter alia, state:
 - (a) that notwithstanding anything contrary contained in this RFP or the Agreement, the Lead Members shall always be liable for obligations of all the Consortium Members i.e. for both its own liability as well as the liability of the other Members;

- (b) that the Lead Members shall be liable for the entire scope of work and risks involved and further shall be liable and responsible for ensuring the individual and collective commitment of each of the Members of the Consortium and discharging all of their respective general obligations under this Agreement;
- (c) that each Member further undertake to be individually liable for the performance of its part of the obligations without in any way limiting the scope of collective liability envisaged in the Agreement
- (d) that the Members of the Consortium shall alone be liable for all obligations of the identified subcontractor and clearly indemnify the GSCDCL against any losses or third party claims arising due to the subcontractor / consortium's default
- (e) that the proposed roles and responsibilities, if any, of each member; (f) the minimum equity stake commitment, to be held by each member;
- (f) That members of the Consortium shall not dilute their equity stake in the Consortium throughout the Concession period.
- (g) Include a statement to the effect that all members of the Consortium shall be liable jointly and severally for all obligations of the Concessionaire in relation to the Project until the Financial Close of the Project is achieved in accordance with the Concession Agreement;

7. Representation of the Parties

Each Party represents to the other Parties as of the date of this Agreement that:

- (a) Such Party is duly organised, validly existing and in good standing under the laws of its incorporation and has all requisite power and authority to enter into this Agreement;
- (b) The execution, delivery and performance by such Party of this Agreement has been authorised by all necessary and appropriate corporate or governmental action and a copy of the extract of the charter documents and board resolution / power of attorney in favour of the person executing this Agreement for the delegation of power and authority to execute this Agreement on behalf of the Consortium Member is annexed to this Agreement, and will not, to the best of its knowledge:
 - (i) require any consent or approval not already obtained;
 - (ii) Violate any Applicable Law presently in effect and having applicability to it;
 - (iii) Violate the memorandum and articles of association, by-laws or other applicable organisational documents thereof;
 - (iv) violate any clearance, permit, Authorisation, grant, license or other governmental authorisation, approval, judgment, order or decree or any mortgage agreement, indenture or any other instrument to which such Party is a party or by which such Party or any of its properties or assets are bound or that is otherwise applicable to such Party; or
 - (v) create or impose any liens, mortgages, pledges, claims, security interests, charges or Encumbrances or obligations to create alien, charge, pledge, security interest, encumbrances or mortgage in or on the property of such Party, except forencumbrances that would not, individually or in the aggregate, have a material adverse effect on the financial condition or prospects or business of such Party so as to prevent such Party from fulfilling its obligations under this Agreement;
- (c) This Agreement is the legal and binding obligation of such Party, enforceable in accordance with its terms as a matter of law; and
- (d) there is no litigation pending or, to the best of such Party's knowledge, threatened to which it or any of its Affiliates is a party that presently affects or which would have a material adverse effect on the financial condition or prospects or business of such Party in the fulfilment of its obligations under this Agreement.

8. Termination

This Agreement shall be effective from the date thereof and shall continue in full force and effect until the closure of the Project is achieved under and in accordance with the Concession Agreement, in case the Project is awarded to the Consortium. However, in case the Consortium is either not qualified for the Project or does not get selected for award of the Project, the Agreement will stand terminated in case the Bidder is not qualified or upon return of the EMD / Bid Security by the GSCDCL to the Bidder, as the case may be.

9. Miscellaneous

9.1 This Joint Bidding Agreement shall be governed by laws of {India}.

9.2 The Parties acknowledge and accept that this Agreement shall not be amended by the Parties without the prior written consent of the GSCDCL.

IN WITNESS WHEREOF THE PARTIES ABOVE NAMED HAVE EXECUTED AND DELIVERED THIS AGREEMENT AS OF THE DATE FIRST ABOVE WRITTEN.

SIGNED, SEALED AND DELIVERED
and on behalf of

SIGNED, SEALED AND DELIVERED For
for and on behalf of

LEAD MEMBER by:

SECOND PARTY by:

(Signature)
(Name)
(Designation)(Address)

SIGNED, SEALED AND DELIVERED
For and on behalf of THIRD PARTY by: (Signature)
(Name)(Designation)
(Address)

In the presence of:
1.
2.

Notes:

- 1. The mode of the execution of the Joint Bidding Agreement should be in accordance with the procedure, if any, laid down by the Applicable Law and the charter documents of the executant(s) and when it is so required, the same should be under common seal affixed in accordance with the required procedure.
- 2. Each Joint Bidding Agreement should attach a copy of the extract of the charter documents and documents such as resolution / power of attorney in favour of the person executing this Agreement for the delegation of power and authority to execute this Agreement on behalf of the Consortium Member.
- 3. For a Joint Bidding Agreement executed and issued overseas, the documents shall be legalised by the Indian Embassy and notarised in the jurisdiction where the Power of Attorney has been executed.

Annexure 10 – Format of Bank Guarantee

(To be executed on requisite Stamp Paper)

WHEREAS, (Name of the Bidder) wishes to submit this Bid for the selection of Concessionaire for, Request for Prop

osalforSelectionof
ConcessionaireforDesign,Development,Implementation,OperationandMaintenanceofParkingGuidancea
ndManagementSolutionforonstreet,offstreet,multi-
levelParkingSpacesinGSCDCLareaonPPPmodelhereinaftercalled“Bid”.

KNOWALLMENbythesepresents thatwe(Nameofbank)of(cityandcountry)havingourregisteredofficeat____
_____(hereinaftercalled“theBank”)areirrevocablyandunconditio
nallyboundtotheGwaliorSmartCityDevelopmentCorporationLtd.oritssuccessor,(hereinafterreferredtoas“
GSCDCL”inthetotalofRupeesFortyLakhonly(Rs.40,00,000/-
)whichpaymentcantrulybemadetoGSCDCL.TheBankbindsthemselfs,theirsuccessorsandassigns by
thesepresents.SealedwiththeCommonSealoftheBankthisdayof,
_____,2017

THECONDITIONSofthisobligationare:

- (a) IftheBidderwithdrawshisBidatanytimeduringthestipulatedperiodofBidValidityspecifiedintheRFPdoc
umentand;or
- (b) IftheBidder,fortheperiodoftheBidValidityasperRFPdocumentinGSCDCL’sopinion,commitsamaterialb
reachofanyofthetermsand/orconditionscontainedintheRFPDocumentsand/orsubsequentcommunicatio
nfromGSCDCLinthisregard;or
- (c) IftheBidder,refusestoacceptthecorrectionoferrorsintheBid;or
- (d) IftheBidder,havingbeennotifiedoftheacceptanceofitsBidbytheGSCDCLfailsorrefusestocomplywiththe
followingrequirements:
 - PayeithertheperformancesecurityofthefirstinstalmentoftheConcessionfeeasspecifiedinClause5.4.1oft
heRFPdocumenttoGwaliorSmartcityDevelopmentCorporationsLtd.(GSCDCL)
 - SigntheConcessionagreementasprovidedintheRFPDocument

Weagreeandundertake,absolutely,irrevocablyandunconditionallytopaytotheGSCDCL,asthecasemaybe,t
heaboveamountwithoutprotest,delayordemuruponreceiptofGSCDCL’sfirstwrittendemand,withouttheG
SCDCLhavingtosubstantiateitsdemand,providedthatinitdemandtheGSCDCLwillnotethattheamountcla
imedbyitistheamountduetoitowingtotheoccurrenceofoneormoreoftheconditionssetoutabove,specifyingtheoccurred
conditionorconditions.

TheGuaranteewillremaininforceuptoandincludetheendoftheperiodofBidValidityasstatedinthe
RFPDocumentorasextendedbyGSCDCLatanytimeasperRFP,noticeofwhichextensiontotheBankbeinghere
bywaived.

Providedhowever,thatIntheeventthatthisBidderisselectedforawardoftheprojectthroughtheissueoftheLett
erofAllotment,theEMDshallremaininforceuntilthetimedateofsigningofagreementbysuchBidder

OR

IntheeventthisBidderisnotselectedforawardoftheProject,theGuaranteeshallremaininforceuptoandinclu
dingaperiodof60daysaftertheexpirationofthebidvalidityperiodorsigningoftheagreement,whichislater.

AnydemandinrespectofthisGuaranteeshouldreachtheBanknotlaterthanthetimedateofexpiry(asdefinedabove)
ofthisGuarantee.

The exclusive jurisdiction in relation to this Guarantees shall be the courts of Gwalior and the Indian law shall be applicable.

SIGNATURE OF AUTHORIZED

REPRESENTATIVE OF THE BANK _____

N

NAME AND DESIGNATION

SE

NAME OF THE BANK _____

N

NAME OF THE WITNESS _____

A

ADDRESS OF THE WITNESS _____

Annexure 11–Statement of Legal Capacity

(To be forwarded on the letterhead of the Bidder/Lead Member of Consortium)

Ref.Date:To,

*****De

arSir,

We hereby confirm that we/our members in the Consortium (constitution of which has been described in the application) satisfy the terms and conditions laid out in the RFP document.

We have agreed that.....(insert member's name) will act as the Lead Member of our consortium.*

We have agreed that.....(insert individual's name) will act as our representative / will act as the representative of the consortium on its behalf* and has been duly authorised to submit the RFP. Further, the authorised signatory is vested with requisite powers to furnish such letter and authenticate the same.

Thanking you,

Yours faithfully, (Sign

ature, name and designation of the authorised signatory) For and on behalf of.....

**Please strike out whichever is not applicable.*

Annexure 12–General Information

Bidders Information Sheet

Sr. No	Description	
1	Name of Bidder/ Consortium Partners	
2	Head office address	
3	Contact No:	
4	Mobile No:	
5	Fax No:	
6	Email id:	
7	Place of incorporation	
8	GSTIN	
9	PAN	
10	TAN	
11	Year of incorporation	
12	Registration Number	

STRUCTURE AND ORGANIZATION

1. **The Bidder is:** _____

- a) an individual
- b) a partnership firm
- c) a Company
- d) Co-operative society

2.

Attach the organisation Chart showing the structure of the Organisation, including the Names of the Directors and Position of officers.

3. **Average Annual Turn Over**

Year	Annual Turn Over in Rs. As per Balance Sheet or Income tax Clearance Returns
2013-2014	Rs. _____
2014-2015	Rs. _____
2015-2016	Rs. _____
2016-2017	Rs. _____
Total	

Average Annual turnover in at least last three consecutive financial years preceding financial years; 2013-14, 2014-15, 2015-16 and 2016-17 is Rs _____ (in words)

NOTE: The above data is to be supported by audited balance sheets / ITR's.

Annexure 13–Format for Power of Attorney for Signing Application / Proposal (On a Non-Judicial Stamp Paper of Rs. 100 duly attested by notary public)

POWER OF ATTORNEY

Know all men by these presents, we (name and address of the registered office) do hereby constitute, appoint and authorise Mr./Ms.

_____ (name and address of residence) who is presently employed with us and holding the position of a solicitor, to do in our name and on our behalf, all such acts, deeds and things necessary in connection with or incidental to our Application / Proposal for the **Selection of Concessionaire for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for On Street, Off Street and Multi-Level Parking in Gwalior on PPP Model in Gwalior**, including signing and submission of all documents and providing information / responses to GSCDCL, representing us in all matters before Government of Madhya Pradesh, and generally dealing with GSCDCL in all matters in connection with our proposal for the said Project.

We hereby agree to ratify all acts, deeds and things lawfully done by our said attorney pursuant to this Power of Attorney and that all acts, deeds and things done by our aforesaid attorney shall and shall always be deemed to have been done by us.

Executant Signature

I Accept
Attorney Signature

(Name, Title and Address)

(Name, Title and Address of the Attorney)

Attested

Executant

Notes:

1. To be executed by the sole Bidder.
2. The mode of execution of the Power of Attorney should be in accordance with the _____ procedure, if any, laid down by the applicable law and the charter documents of the executant(s) and when it is so required the same should be submitted under common seal affixed in accordance with the required procedure.
3. Also, the executant(s) should submit for verification, the extract of the charter documents and documents such as a resolution / power of _____ attorney in _____ favour _____ of _____ the Person executing this Power of Attorney for the delegation of power hereunder on behalf of the Bidder.

Annexure 14–Format for Anti-Collusion Certificate (On the Letterhead of the Bidder/Lead Member)

We hereby certify and confirm that in the preparation and submission of this Application, we have not acted in concert or in collusion with any other Bidder or other person(s) and also not done any act, deed or thing which is or could be regarded as anti-competitive, restrictive or monopolistic trade practice.

We further confirm that we have not offered nor will offer any illegal gratification in cash or kind to any person or agency in connection with the instant Application.

Dated this Day of, 2017

Name of the Bidder

Signature of the Authorised Person

Name of the Authorised Person

Annexure 15–FormatforProjectUndertaking

(OntheLetterheadoftheBidderoreachmemberoftheBidderincaseofConsortium)

Date:

ExecutiveDirector,
GwaliorSmartCityDevelopmentCorporationLimited(GSCDCL),Gwa
liorMunicipalCorporation,
NarayanKrishnaShejwalkarBhawan,C
ityCenter,Gwalior-
474011,MadhyaPradesh.

DearSir,

Re:“**SelectionofConcessionaireforDesign,Development,Implementation,OperationandMaintenan
ceofSmartParkingSolutionforOnStreet,OffStreetandMulti-LevelParkinginGwalioronPPPModel**”.

WehavereadandunderstoodtheRFPDocumentinrespectofthecaptionedProjectprovidedtousbyGSCDCL.

Weherebyagreeandundertakeasunder:

(a) Notwithstandinganyqualificationsorconditions,whetherimpliedorotherwise,containedinourApplicati
onweherebyrepresentandconfirmthatourApplicationisunconditionalinallrespects.

(b) Wearenot barredbyGSCDCL,GovernmentofIndia,GovernmentofMadhya
Pradesh,oranystategovernmentoranyoftheiragenciesfromparticipatinginsimilarprojects.

Datedthis _____ Dayof
_____,2017.NameoftheBidder

SignatureoftheAuthorisedPerson

NameoftheAuthorisedPerson

Annexure 16–Format for Affidavit

(Affidavit should be executed on a Non-Judicial stamp paper of Rs. 100/- or such equivalent document duly attested by Notary Public)

A. I, the undersigned, do hereby certify that all the statements made in the Application are true and correct.

B. The undersigned also hereby certifies that neither M/s..... nor any of its directors/constituent partners have abandoned any work in Gwalior or in Madhya Pradesh nor any contract awarded to us for such work has been terminated for reasons attributed to us, during last five years prior to the date of this Application nor have been blacklisted or barred by Municipal Corporation Gwalior from participating in any projects of Built Operate Transfer (BOT) or otherwise or have never defaulted any tax and duties of GSCDCL.

C. The undersigned also hereby certifies that neither M/s..... nor any of its directors/constituent partners have abandoned any work in India and / abroad nor any contract awarded to us for such work has been terminated for reasons attributed to us, during last five years prior to the date of his Application nor have been barred by any agency of GOI or Govt. of Madhya Pradesh from participating in any projects of BOT or otherwise.

D. The undersigned hereby authorise(s) and request(s) any bank, person, firm or corporation to furnish pertinent information deemed necessary as requested by GSCDCL to verify this statement or regarding my(our) competence and general reputation

E. The undersigned understands and agrees that further qualifying information may be requested, and agrees to furnish any such information at the request of the GSCDCL.

Signed by an authorised officer of the Bidder Designation of
ficer

Name of Bidder

Date

**Annexure 17–Commercial Bid Letter Format
(On the Letter Head of the Bidder)**

Date:

Executive Director
Gwalior Smart City Development Corporation Limited (GSCDCL), Gwalior Municipal Corporation,
Narayan Krishna Shejwalkar Bhawan, City Center, Gwalior-474011, Madhya Pradesh.

Sub: Submission of Commercial Bid for “Selection of Concessionaire for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for On Street, Off Street and Multi-Level Parking in Gwalior on PPP Model”.

Dear Sir,

I/We <name of the bidder> hereby submit our financial bid for the Request for Proposal for **“Selection of Concessionaire for Design, Development, Implementation, Operation and Maintenance of Smart Parking Solution for on street and off street in Gwalior area on PPP model”** as mentioned in the Bid within the time specified and in accordance with Terms and Conditions as well as Scope of work.

We have reviewed all the terms and conditions of the RFP document and undertake to abide by all the terms and conditions contained therein. We agree to pay GSCDCL a monthly ‘Concession Fee’ of ₹ _____ (Rupees in Words) or as suitably adjusted based on the conditions of contract. We will pay to GSCDCL every month the Concession Fee as quoted above throughout the Concession period from the date of go-live of the project which is 1 month after handing over of the agreed parking sites.

We hereby declare that there are, and shall be, no deviations from the stated terms in the RFP Document.

SIGNATURE OF THE BIDDER

Name:

Full Address:

With Seal

Annexure 19–ParkingLocationswithMaps,CapacityandOtherDetails

Fig.No.	LocationName	ParkingCode	Type	Capacity		AdvtSpace(sq mt)
				Two-wheeler	Car	
PACKAGEI-ABD						
CentralBusinessDistrict(CBD)						
1	DarjiOliAgrasenComplex	ON1	On-Street	35	6	
RestofAreaBasedDevelopment(ABD)						
2	Surya Narayan Mandir Parisar,Daulatganj	OFF5	Off-Street	57	7	100
3	MiniStadium,NearChattriBazaarMaidan Gate	ON2	On-Street	32	1	
4	BusParking,Aamkho	OFF6	Off-Street	0	80 (Buses)	100
5	ChamberofCommerceBoundaryWallParking	ON3	On-Street	0	16	
6	Katoratal	OFF7	Off-Street	80	19	100
7	AshokTravels,Kampoo	ON4	On-Street	40	2	
8	InFrontofAlankarHotel	ON5	On-andOff-Street	59	22	
9	BoundaryinfrontofDistrictcourtandBehindGirirajMandirParking	ON6	On-Street	0	16	

10	NayaBazaar,MultiLevelParking	MLCP1	MLCP	123	0	100
PACKAGEII-PanCity						
11	BehindRajeevPlaza	OFF8	Off-Street	0	26	100
12	Gandhi Prani Udyan, Phool Bagh,NaveenGate	ON7	On-Street	67	8	
13	ISBT, Bus Stand	OFF9	Off- Street	310	0	100
14	Chaupaati, Phoolbagh	OFF10	Off- Street	130	28	100
15	Maan Singh Mahal ,Gwalior Fort	OFF11	Off- Street	221	38	100
16	Kalyaan Memorial Hospital, Morar	OFF12	Off- Street	70	21	100
17	Scooter-Motorcycle Stand, Birlanagar and along Nalla	ON8	On- Street	71	5	100
18	Morar Girls College, RaamjaankiMandir.	OFF13	Off-Street	0	40	100
19	Rawaldas,PhoolBaghChauraha.	ON9	On-Street	28	6	
20	SanjayComplex(RoadAlongBoundarybetweenSanjayComplex&RajeevPlaza)	OFF14	Off-Street	18	7	100
21	NearDistricthighcourt,NearShedand InsideBarricades(GirirajMandir)	OFF15	Off-	83	0	100
22	From Baradari Chowk, Grover toUtkrishtaschool	ON10	On-Street	0	22	
23	SalasarMall,Multi-LevelParking(BlockAandB)	MLCP2	MLCP	212	260	100
24	Scooter-MotorcycleStand,Sabjimandi,Morar	ON11	On-Street	13	1	
Total				1,649	551 80Buses	1700

Note: An indicative list of Parking lots is set out in this RFP. The number and location of the Parking Lots may vary. However in such an event, the rates quoted by the bidder shall be pro-rated by taking the number of parking slots into consideration.

Parking Management



Outside Town Hall



Nigam Mukhyalya



Surya Narayan Mandir



Grover Hospital, Morar



Birlanagar



Kalyan hospital



Girls College, Morar



Maharaj Bada, in Front of SBI

Figure 1 ParkingLocation: Site Photographs



Figure 2 ParkingLocation: Site Photographs

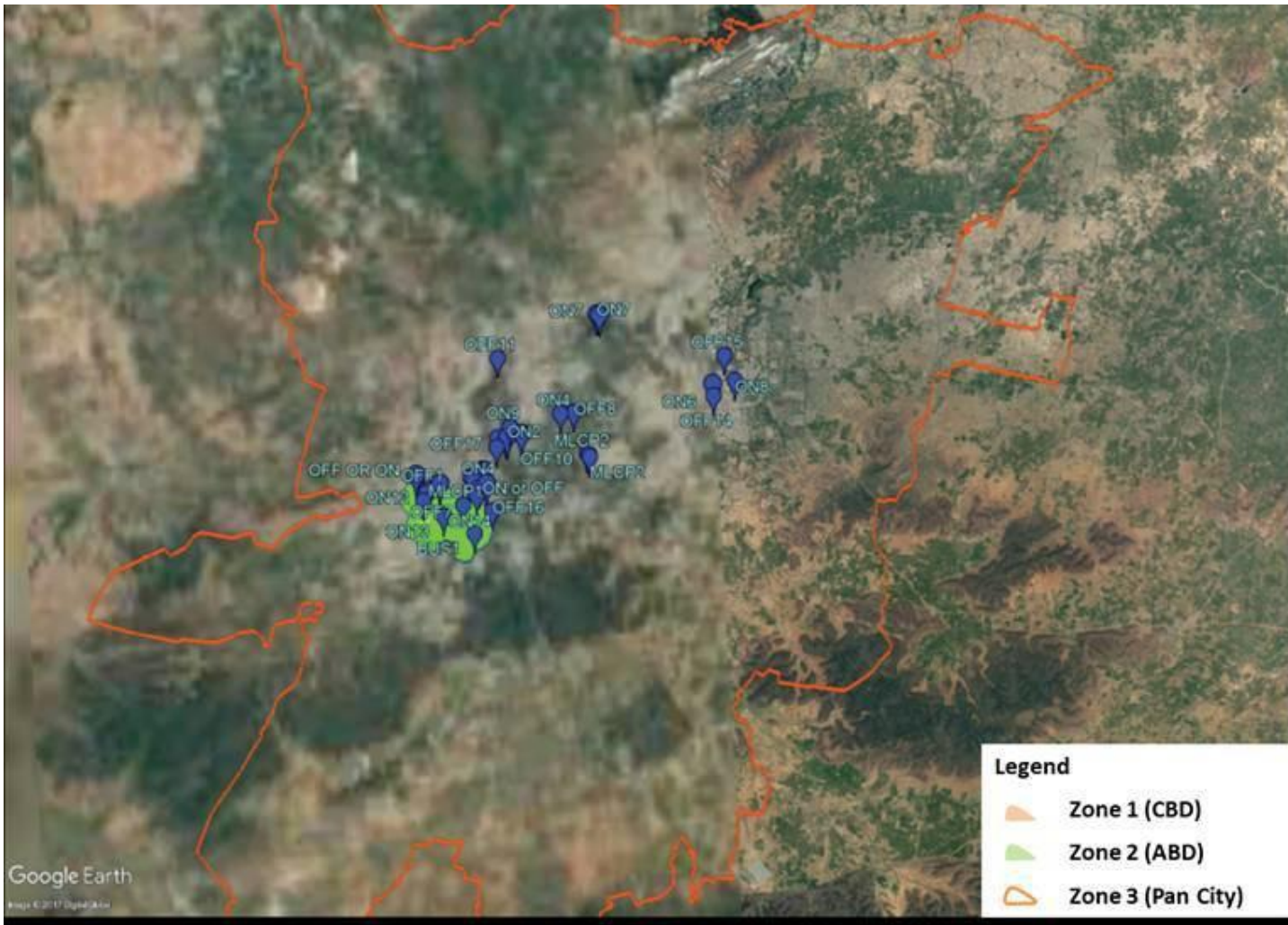


Figure 3 ParkingLocations



Figure 4 Parking Location: Darji Oli, Opposite Agrasen Complex, Near Maharaj Bada (On- Street)



Figure 5 Parking Location: Surya Narayan Temple Complex, Daulatganj Road (Off-Street)



Figure 6 Parking Location: Mini Hockey Stadium, Chattri Bazaar (On-Street)



Figure 7 Parking Location: Outside, Chamber of Commerce, Near Inderganj Chauraha (On-Street)



Figure 8 Parking Location: Katora Tal, Rajpath Marg (Off-Street)



Figure 9 Parking Location: InFrontof Ashoka Travels, Kampoo (On-Street)



Figure 10 Parking Location: In Front of Alankar Hotel, Hospital Road (On-Street)



Figure 11 Parking Location: Outside High Court, Near Inderganj Chauraha (On-Street)



Figure 12 Parking Location: Naya Bazaar Multi Level Parking, Rajpayga Road (Off-Street, Multi Level Parking)

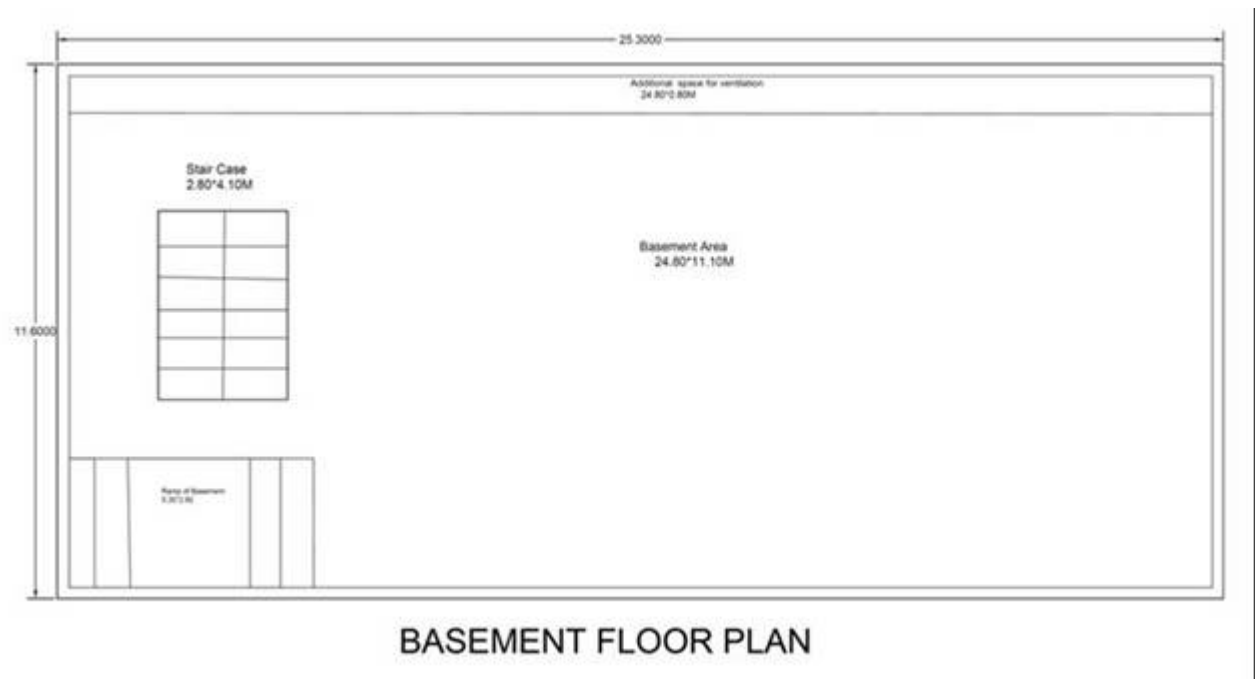


Figure 13 Parking Location: Basement Floor Plan, Rajpayga Multi Level Parking

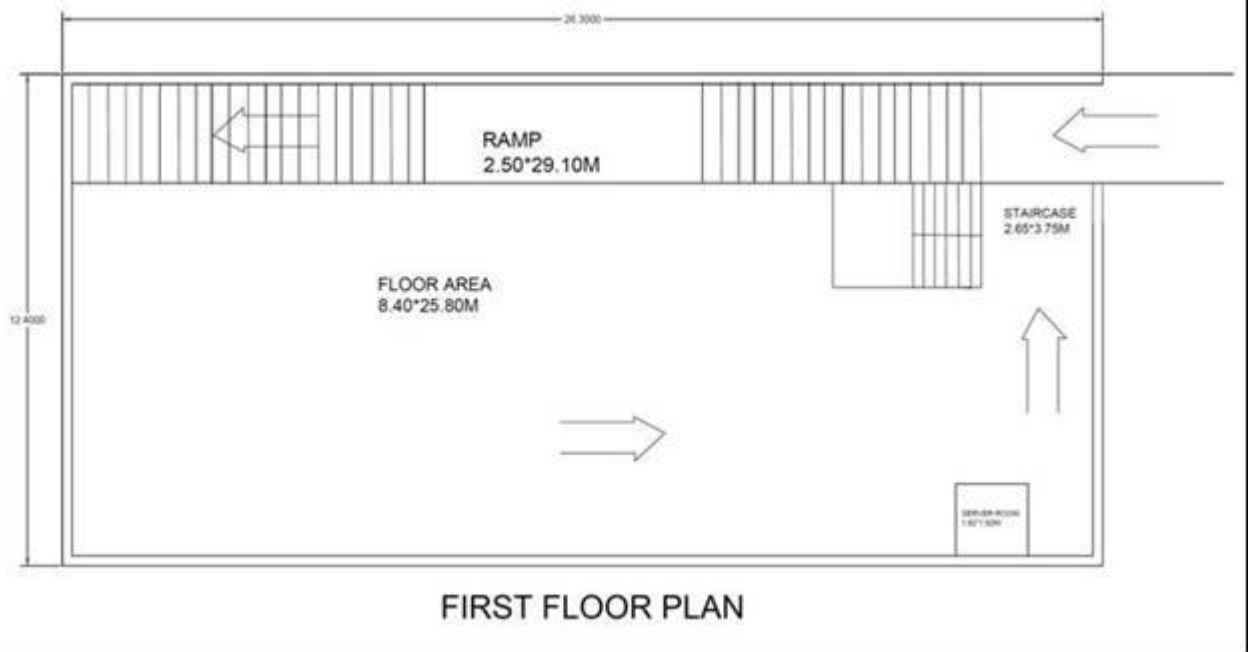


Figure 14 Parking Location: First Floor Plan, Rajpayga Multi Level Parking

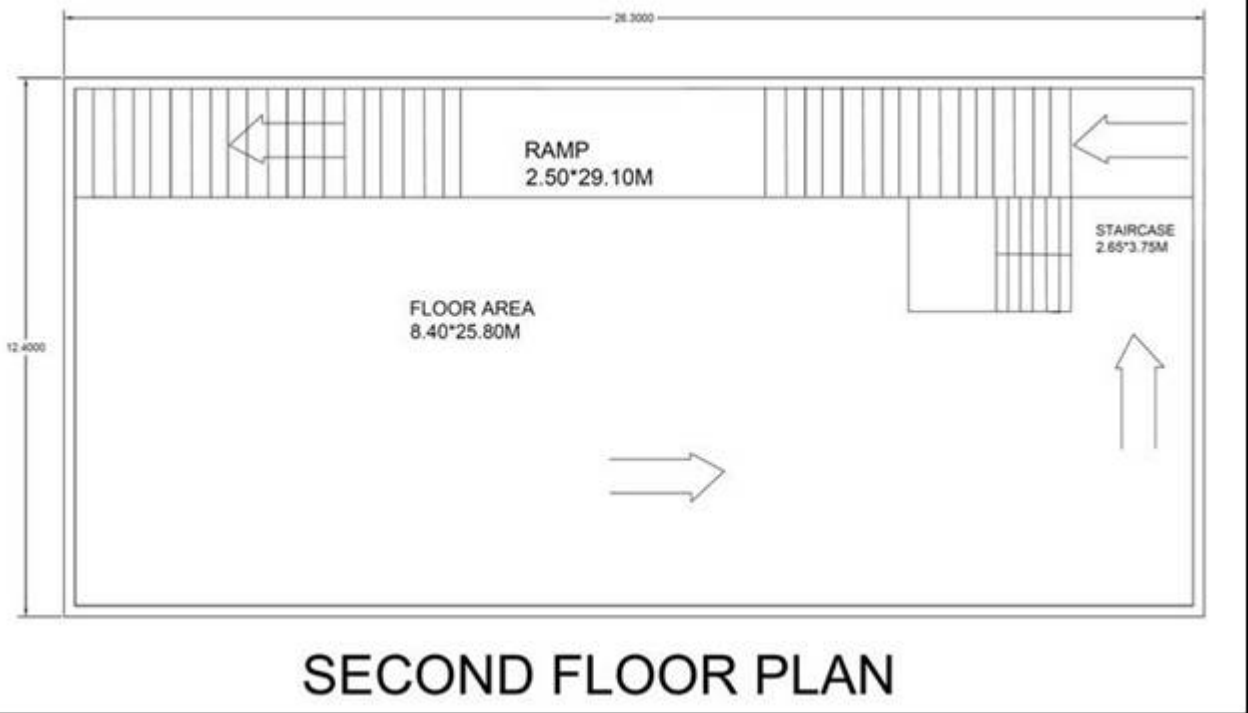


Figure 15 Parking Location: Second Floor Plan, Rajpayga Multi Level Parking

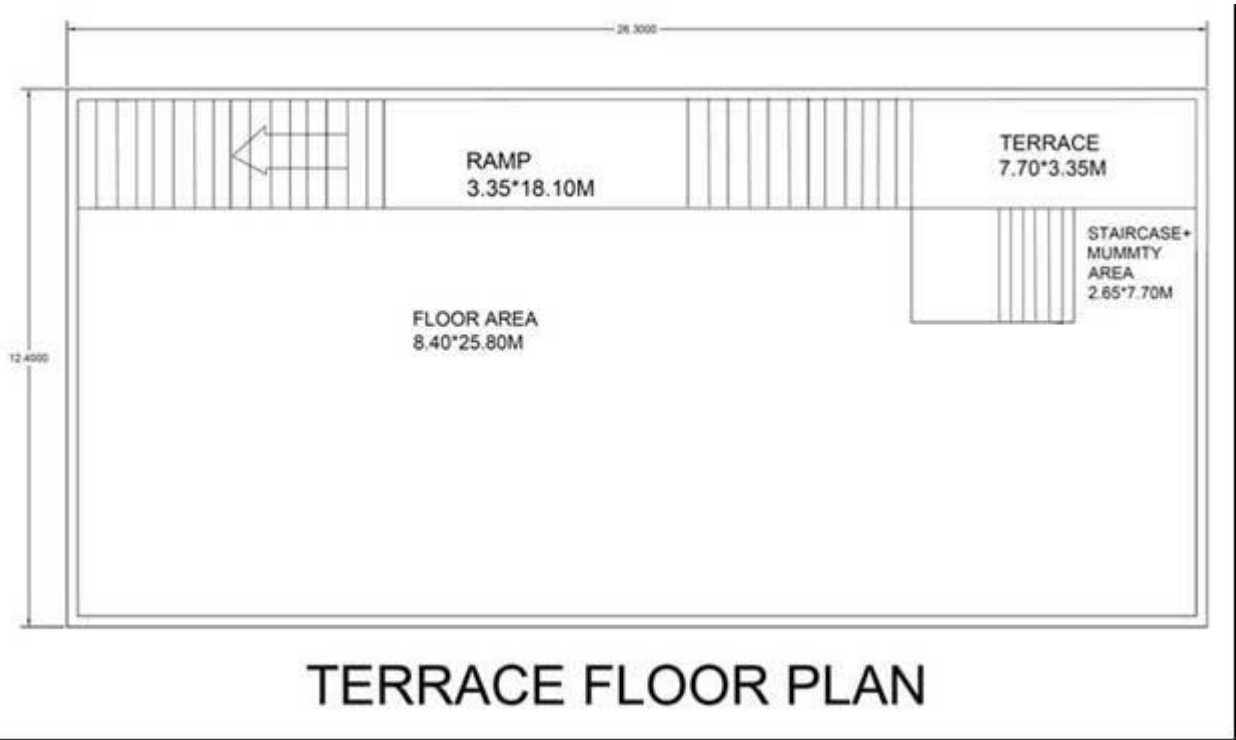


Figure 16 Parking Location: Second Floor Plan, RajpaygaMultiLevelParking



Figure 17 Parking Location: Behind RajeevPlaza, Jayendraganj (Off-Street)



Figure 18 Parking Location: Gandhi Prani Udyan, Phool Bagh (On-Street)



Figure 19 Parking Location: ISBT - Gwalior



Figure 20 Parking Location: Chaupatti Phoolbagh (Off-Street)



Figure 21 Parking Location: Maan Singh Mahal, Gwalior Fort (Off-Street)



Figure 22 Parking Location: Kalyan Memorial Hospital, Morar (Off-Street)



Figure 23 Parking Location: Two-Wheeler Stand, Birlanagar Railway Station (On-Street)



Figure 24 Parking Location: Outside Girls College, Morar(Off-Street)



Figure 25 Parking Location: Rawaldas, Phool Bagh Chauraha



Figure 26 Parking Location: SanjayComplex,Jayendranj (Off-Street)



Figure 27 Parking Location: In Barricades behind Giriraj Mandir, Near PhoolBaghChauraha (Off-Street)



Figure 28 Parking Location: Grover Hospital to Utkrishta School, Morar (On-Street)



Figure 29 Parking Location: Salasar MultiLevel Parking

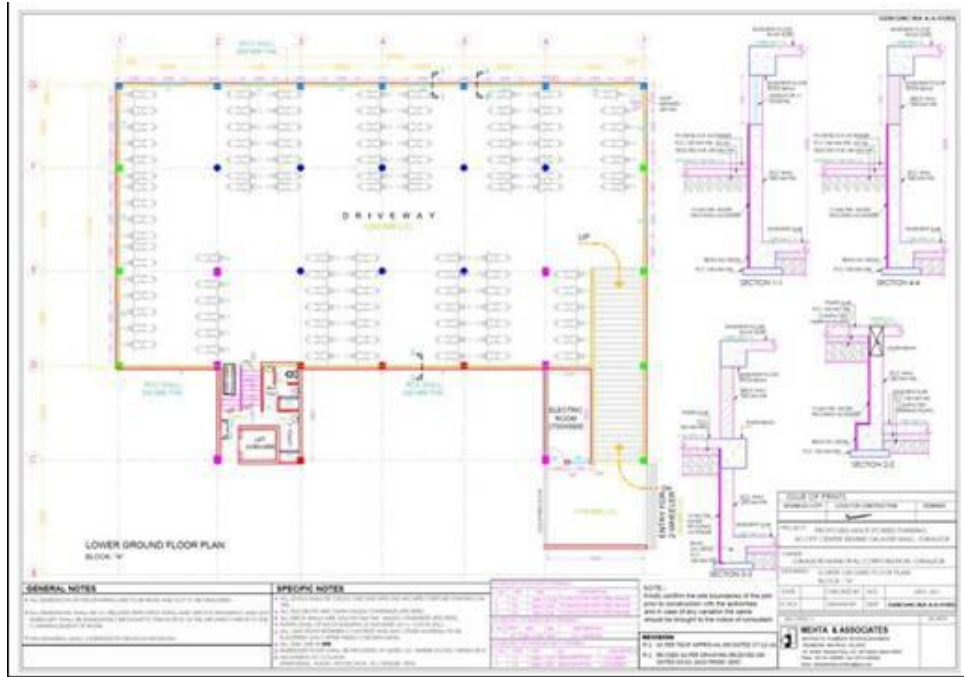


Figure 30 Parking Location: Salasar Multi Level Parking (Basement-Block A)

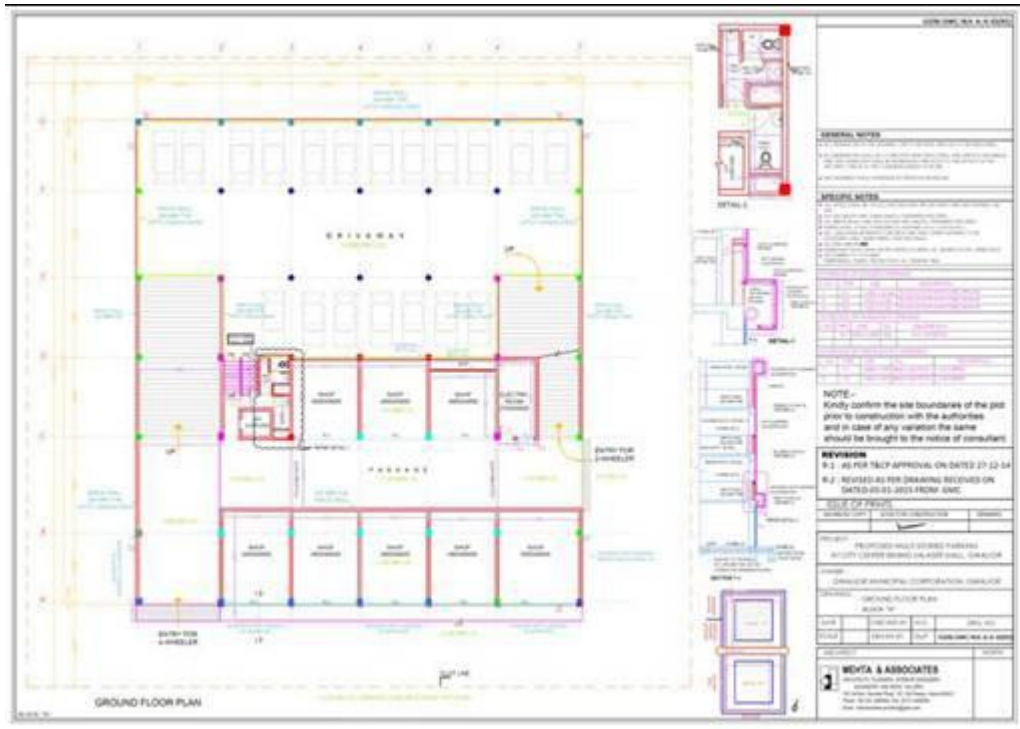


Figure 31 Parking Location: Salasar Multi Level Parking (Ground Floor-Block A)

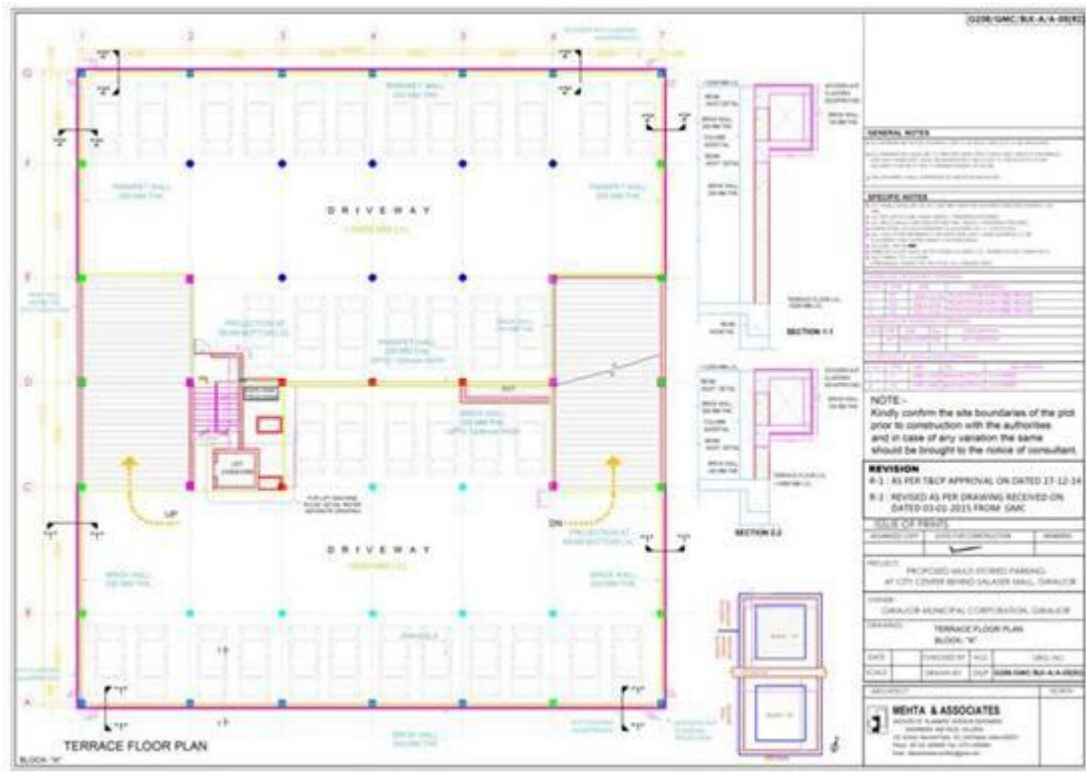


Figure 34 Parking Location: Salasar Multi Level Parking (Terrace Floor-Block A)

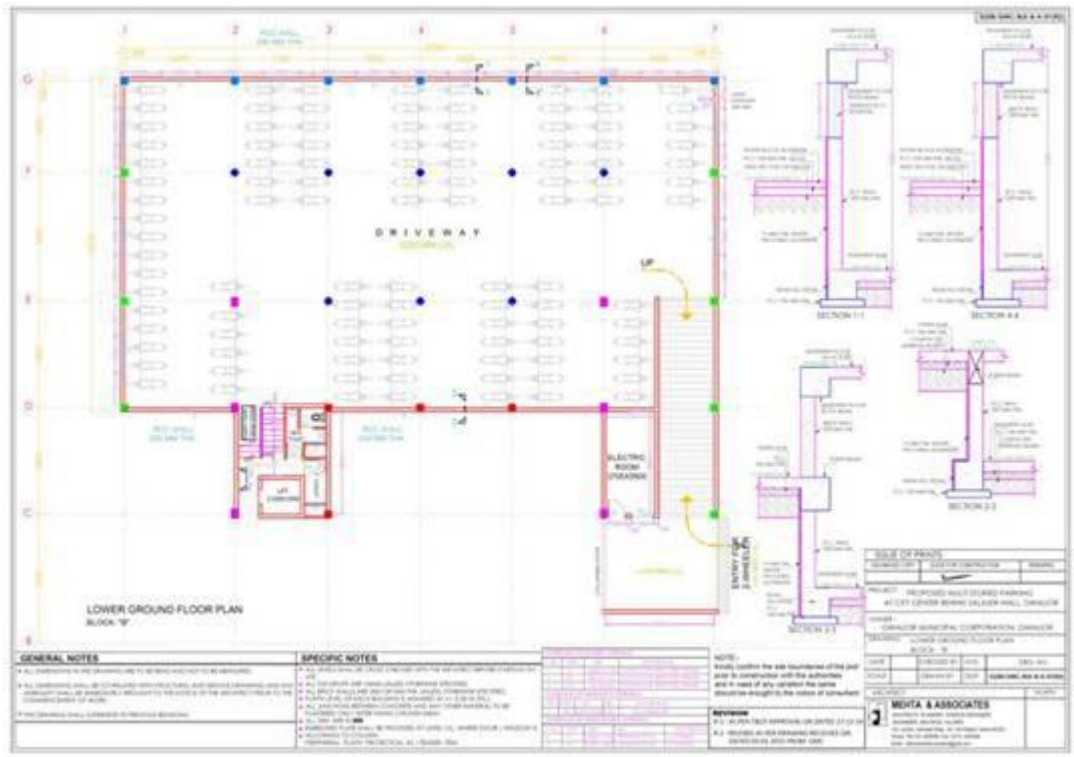


Figure 35 Parking Location: Salasar Multi Level Parking (Basement-Block B)

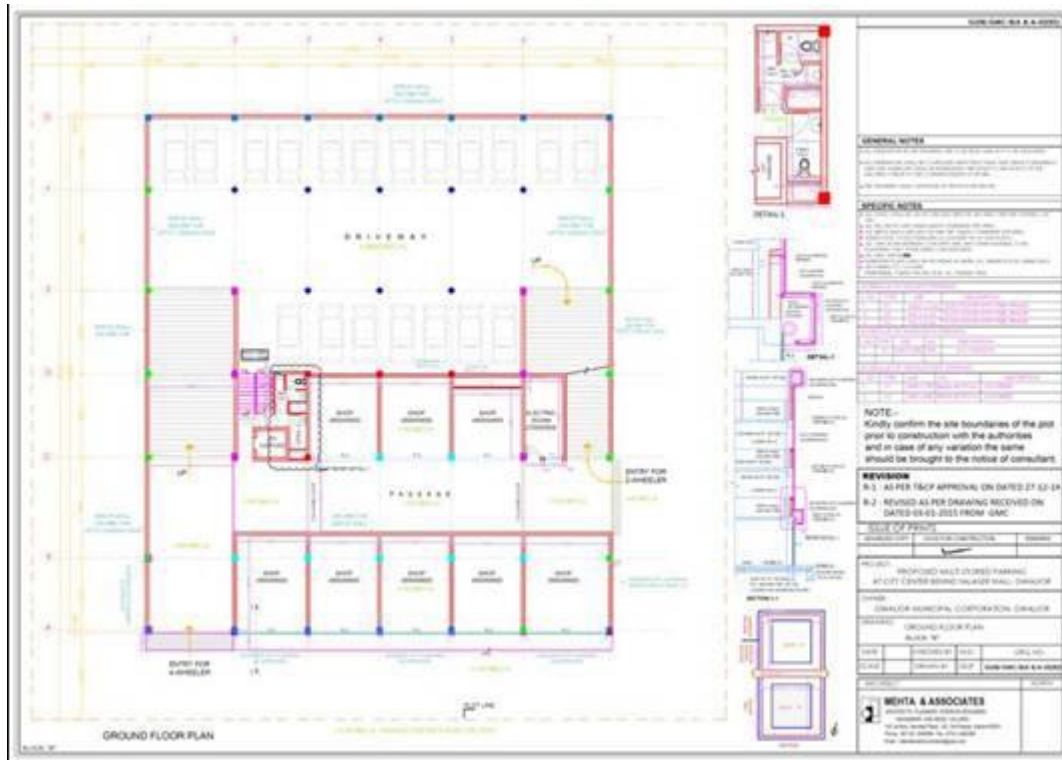


Figure 36 Parking Location: Salasar MultiLevel Parking (Ground Floor-BlockB)

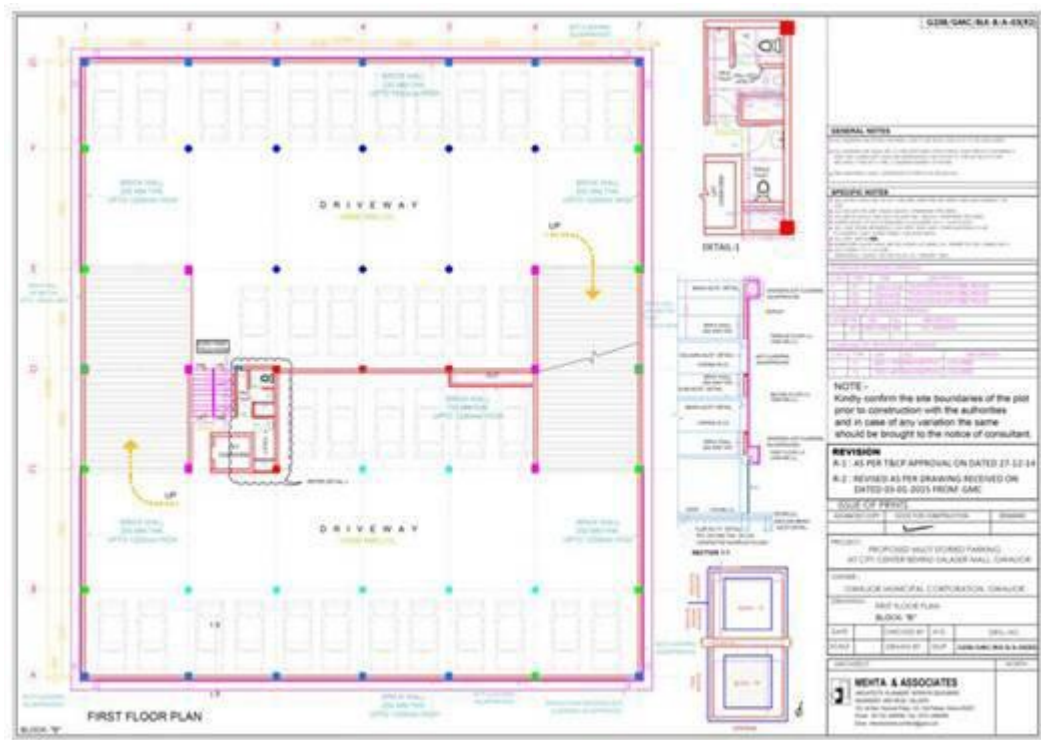


Figure 37 Parking Location: Salasar Multi Level Parking (First Floor-BlockB)

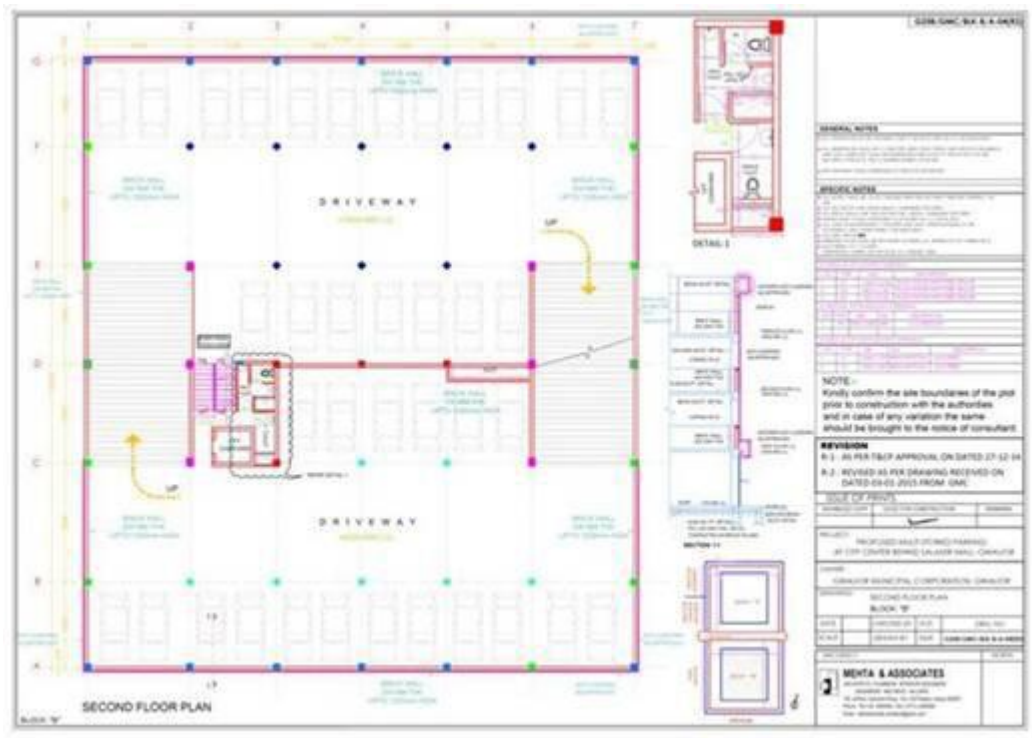


Figure 38 Parking Location: Salasar MultiLevelParking (Second Floor-Block B)

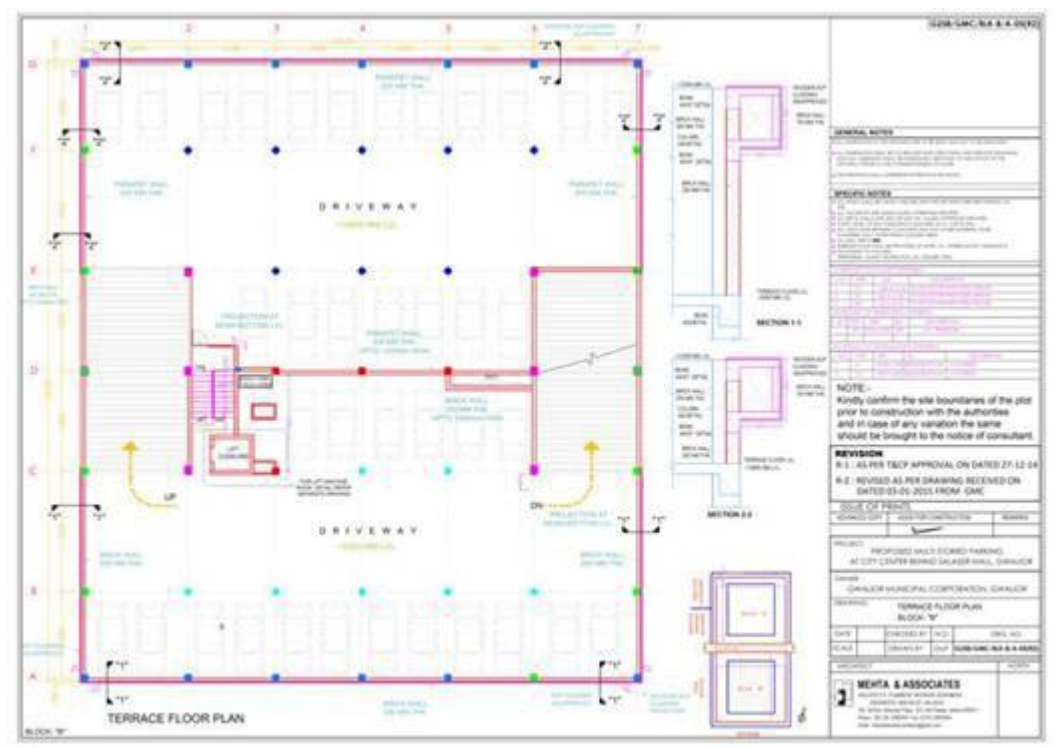


Figure 39 Parking Location: Salasar Multi LevelParking (Terrace Floor-Block B)



Figure 40 Parking Location: Outside SubziMandi, Morar



Figure 41 Parking Location: Bus Stand, Amkho (Off-Street)

