

MUSSOURIE DEHRADUN DEVELOPMENT AUTHORITY

Transport Nagar, Saharanpur Road, Dehradun-248001, (Uttarakhand) India

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TENDER DOCUMENT

**Supply, Installation and Maintenance of
Parking Management & Guidance System**

at

**Shri. H. N. Bahuguna Commercial cum Parking Complex, Clock
Tower, Dehradun**

TABLE OF CONTENTS

TOPIC	PAGE NO.
PART-1	
1 Brief description of Proposal	03
2 Covering Letter	04
3 Check-list of Annexures	06
4 Particulars of TENDER	07
5 General Particulars of Tenderer	08
6 Experience	10
7 Declaration by the Tenderer	11
PART-2	
Section -1 : Technical Criteria	12
Section -2 : Instructions to Bidder	14
Section -3 : Preparation of TENDER	16
Section -4 : Submission of TENDER	18
Section -5 : TENDER opening	20
Section -6 : Award of Contract	21
PART-3	
Scope of Work	22
PART-4	
Financial Bid	27

PART 1

1. BRIEF DESCRIPTION OF PROPOSAL:

Mussoorie Dehradun Development Authority (MDDA) is engaged in the Infrastructure Development in the city of Dehradun and Mussoorie in the state of Uttarakhand. MDDA has been creating quality infrastructure facilities, parking facilities, developing different sites/locations, road crossings, traffic junctions, public parks and basic amenities for public since its inception in 1984.

MDDA has constructed 4 storied commercial cum parking complex at Clock tower to provide commercial space and ample off street parking space at the heart of city to accommodate unprecedentedly growing vehicles in the city of Dehradun. The area specification and details are as follow

Total Site Area	:	10174.35 sqmts (2.51 acres)
Built-up Area Breakup		
Basement-1	:	3877.72 sqmts
Basement-2	:	3745.97 sqmts
Stilt	:	3942.90 sqmts
Upper G/F	:	3847.75 sqmts
First floor	:	3847.75 sqmts
Second floor	:	3847.75 sqmts
Third Floor	:	3847.75 sqmts
Fourth Floor	:	3847.75 sqmts
Total area	:	30805.34 sqmts
Parking Space (in ECS)		589 ECS

The MDDA intends to make the parking hi-tech, modern and convenient to the people, thus inviting tender for supply, installation and maintenance of Parking Management & Guidance System for Basement-1, Basement-2 and Stilt at Shri. H. N. Bahuguna Commercial cum parking complex, Clock tower.

2. COVERING LETTER:

Letter Comprising the Application for Qualification

To,
The Vice Chairman
M.D.D.A.
Transport Nagar, Saharanpur Road
Dehradun-248001, (Uttarakhand) India

Date:

Sub: Application for supply, installation and maintenance of Parking Management & Guidance System for Basement-1, Basement-2 and Stilt at Shri. H. N. Bahuguna Commercial cum parking complex, Clock tower.

Dear Sir,

1. With reference to your TENDER document dated **4/04/2013** I have examined the TENDER document and understood its contents. I hereby submit my Application for Qualification **supply, installation and maintenance of Parking Management & Guidance System for Basement-1, Basement-2 and Stilt at Shri. H. N. Bahuguna Commercial cum parking complex, Clock tower.**
2. The Application is unconditional for the said Tender.
3. I acknowledge that the Authority will be relying on the information provided in the Application and the documents accompanying such Application for qualification of the Applicants for the above subjected project, and we certify that all information provided in the Application and in Annexures is true and correct; nothing has been manipulated and omitted which renders such information misleading; and all documents accompanying such Application are true copies of their respective originals.
4. This statement is made for the express purpose of qualifying as a Tenderer for aforesaid Project.
5. I shall make available to the Authority any additional information it may find necessary or require to supplement or authenticate the Qualification statement.

6. I acknowledge the right of the Authority to reject our Application without assigning any reason or otherwise and hereby waive, to the fullest extent permitted by applicable law, our right to challenge the same on any account whatsoever.
7. I declare that:
 - (a) I have examined and have no reservations to the Tender document
 - (b) I have not directly or indirectly or through an agent engaged or indulged in any corrupt practice, fraudulent practice, coercive practice, undesirable practice or restrictive practice in respect of any Bid or request for proposal issued by or any agreement entered into with the Authority or any other public sector enterprise or any government, Central or State.
8. I understand that you may cancel the Bidding Process at any time and that you are neither bound to accept any Application that you may receive nor to invite the Applicants to Bid for the Project, without incurring any liability to the Applicants.
9. I certify that in regard to matters other than security and integrity of the country, we have not been convicted by a Court of Law or indicted or adverse orders passed by a regulatory authority which could cast a doubt on our ability to undertake the Project or which relates to a grave offence that outrages the moral sense of the community.
10. I further certify that no investigation by a regulatory authority is pending either against us.
11. I hereby confirm that we are in compliance of/ shall comply with the O&M requirements
12. I hereby irrevocably waive any right or remedy which we may have at any stage at law or howsoever otherwise arising to challenge or question any decision taken by the Authority in connection with the selection of Applicants, selection of the Tenderer, or in connection with the selection/ Bidding Process itself, in respect of the above mentioned Project and the terms and implementation thereof.
13. I agree and undertake to abide by all the terms and conditions of the TENDER document.
14. I certify that in terms of the TENDER, the turnover of the company for the last 2 years is Rs..... (in words).
15. I agree and undertake to be liable for all the obligations of the Tenderer under the Agreement. In witness thereof, I submit this application under and in accordance with the terms of the TENDER document.

Yours faithfully,

(Signature, name and designation of the Authorized Signatory)

Place: Name and seal of the Applicant/ Lead Member

3. CHECK LIST OF ANNEXURES:

S. No	Annexure No	Particulars	Yes/No
1	Annexure-I	Company's Profile & Registered office	
2	Annexure-II	Registered dealership profile at Dehradun	
3	Annexure-III	Experience (Successful Completion Certificate (s) from the Agency for which similar kind of projects have been executed in last five years)	
4	Annexure-IV	Audit report/balance sheet certified by CA of last three years	
5	Annexure-V	Successful Completion Certificate of Operation and Maintenance (O&M) activities from the Agencies for which similar kind of projects have been executed in last three years.	

**(Signature of Tenderer)
with seal**

4. PARTICULARS OF TENDER:

1.	TENDER Date	:	04/04/2013
2.	Particulars of the work	:	Supply, installation and maintenance of Parking Management & Guidance System for Basement-1, Basement-2 and Stilt at Shri. H. N. Bahuguna Commercial cum parking complex, Clock tower.
3.	Period of work	:	30 days from the award of work (inclusive of coordination period with other agencies working on site)
4.	Cost of TENDER document	:	Rs. 1135/- in the form of Demand Draft payable at Dehradun
5.	Last date and time of submission of TENDER (by hand/courier/ post)	:	30th April 2013 on or before 2:00 p.m
6.	Amount of Earnest money/Bid security deposited for work	:	70,000.00 (Rs Seventy Thousand only)
7.	Period of validity of TENDER for acceptance	:	6 months from the date of opening the Tender
8.	Date and time of opening of TENDER (Technical bid)	:	30th April 2013 on 4:00 p.m
9.	Place of opening of TENDER	:	Transport Nagar, Saharanpur Road, Dehradun-248001, Uttarakhand
10.	Name of firm /company	:	-----

**(Signature of Tenderer)
with seal**

5. GENERAL PARTICULARS OF TENDERER:

- 1- Name of firm:
- 2- Postal Address:
- 3- Communication address:
- 4- Telephone, Telex, Fax No:
- 5- E-mail:
- 6- Web site:
- 7- Name and designation of the representative of the Tenderer to whom all references shall be made:
- 8- Amount of earnest money/bid security deposited:
- 9- Details of Demand Draft or Fixed Deposit receipt:
- 10- Financial capacity of the contractor/firm for carrying out the work (Annexure-IV):
- 11- Has the contractor/firm ever been debarred by any Govt. Dept/ Undertaking for undertaking any work:
- 12- Reference of any other information attached by the Tenderer:
- 13- Previous experience or work done by the Tenderer of similar nature of project (Annexure-III)

16- Operation and Maintenance of work done by the Tenderer of similar nature of work (Annexure-V)

17. Name and address of the work firm/organization/ Govt body or any other who awarded the work:

**(Signature of Tenderer)
with seal**

Tender Document

6. EXPERIENCE:

(Details of Each Eligible/Qualified project)

Item	
1. Title of the project	
2. Location	
3. Entity/ Agency with which project has been executed	
4. Date of commencement of the project	
5. Date of completion/ commissioning	
6. Cost of the Project	
7. Scope of Work	

Instructions:

1. Tenderers are expected to provide information with respect to only Eligible/Qualified Projects.
2. Information provided in this section is intended to serve as a back-up for information provided in the TENDER.
3. An authentic experience certificate should be annexed with respect to each eligible/qualified Project from the Agency for which the project is executed.
4. Provide the estimated capital cost of each Eligible/Qualified Project.

**(Signature of Tenderer)
With Seal**

7. DECLARATION BY THE TENDERER:

I _____ (hereinafter referred to as the Tenderer) being desirous of participating for the work under the above mentioned TENDER and having fully understood the nature of the work and having carefully noted all the terms and conditions, specifications etc. as mentioned in the TENDER document, DO HEREBY DECLARE THAT

1. The Tenderer is fully aware of all the requirements of the TENDER document and agrees with all provisions of the TENDER document.
2. The Tenderer is capable of executing and completing the work as required in the TENDER.
3. The Tenderer accepts all risks and responsibilities directly or indirectly connected with the performance of the TENDER.
4. The Tenderer has no collusion with other contractor, any employee of MDDA or with any other person or firm in the preparation of the bid.
5. The Tenderer has not been influenced by any statement or promises of MDDA or any of its employees but only by the TENDER document.
6. The Tenderer is financially solvent and sound to execute the work.
7. The Tenderer is sufficiently experienced and competent to perform the contract to the satisfaction of MDDA.
8. The Tenderer is familiar with all general and special laws, acts, ordinances, rules and regulations of the Municipal, District, State and Central Government that may affect the work, its performance or personnel employed therein.
9. The Tenderer has not been debarred from similar type of work by Government undertaking/ Department.
10. This offer shall remain valid for acceptance for 6 (six) months from the date of opening of the TENDER.
11. The Tenderer has attached herewith the earnest money as required in the TENDER document.
12. The Tenderer accepts that the earnest money be absolutely forfeited by MDDA, if the Tenderer fails to undertake the work or sign the contract within the stipulated period.
13. The Tenderer gives the assurance to execute the work as per specifications, terms and conditions.
14. The information and the statements submitted with the TENDER are true.

(Signature of Tenderer)
With Seal

PART-02

SECTION-1 TECHNICAL CRITERIA

A. ELIGIBILITY CRITERIA:

The Tenderer should provide sufficient evidence to satisfy the following conditions that:

1. The Tenderer should be a direct manufacturer or consortium firm for supply, installation and maintenance of Parking Management & Guidance System for Basement-1, Basement-2 and Stilt at Shri. H. N. Bahuguna Commercial cum parking complex, Clock tower. The Tenderer should have minimum 05 years of experience in the field of supply, installation and maintenance of Parking Management & Guidance System for 5 years.
2. The Tenderer should have completed three similar works each costing not less than Rs 10.00 lakh each
Or
The Tenderer should have completed two similar works each costing not less than Rs 17.00 lakh each
or
One similar completed work costing not less than the amount equal to Rs 28.00 lakh.
3. The Tenderer should have adequate financial stability and status to meet the financial obligations pursuant to the Scope of Works (Part-3)
4. Tenderer has to specify the time schedule/completion schedule **Supply, installation and maintenance of Parking Management & Guidance System for Basement-1, Basement-2 and Stilt at Shri. H. N. Bahuguna Commercial cum parking complex, Clock tower.**
5. The contractor should submit Experience certificates in reference to page no 10 of Experience.

B. QUALIFYING CRITERIA:

S. No.	Description	Max. Marks
1.	Registration of Company/Agency	20
I	Company's Registration Certificate dealership	8
II	Dealership in Dehradun	4
III	Registration under Trade Tax, CSC,VAT	4
IV	Establishment years of the organization	4
2.	Experience	30
I	Experience of similar projects	15
II	Successful O & M experience	15
3.	Availability of Resources	20
I	No of technical personnel	10
II	Availability of tools, equipments and materials relevant to the work	10
4.	Maintenance strategy	15
5.	Completion Schedule	15
	Total	100

1. The Tenderer should pass in all items of "Eligibility Criteria" and should obtain minimum 70 marks out of the 100 of "Qualifying Criteria" to get shortlisted for financial stage.
2. Disqualified Tenderer will be informed in writing through FAX/Mail.
3. Tenderer(s) may please note that their offers will be evaluated as per the credentials or documents attached by them along with the TENDER.

**(Signature of Tenderer)
with seal**

SECTION-2 INSTRUCTIONS TO THE TENDERER

2.1 CONTENT OF TENDER DOCUMENT

The procedure and contract terms are prescribed in the TENDER Document. In addition to the invitation of TENDER, the Tender document includes.

- Part (1)
- 1) Brief Description of the project
 - 2) Covering Letter
 - 3) Check list of Annexure
 - 4) General Particulars of TENDER
 - 5) Particulars of Tenderer
 - 6) Experience
 - 7) Declaration by the Tenderer

- Part (2)
- 1) Technical Criteria
 - 2) Instructions to the Tenderers
 - 3) Preparation of Tender
 - 4) Submission of Tender
 - 5) Tender Opening
 - 6) Award of Contract

Part (3) Scope of Work

Part (4) Financial Bid (in a separate envelope)

The Tenderer is expected to examine all instructions, forms, terms and specifications as mentioned in the TENDER document. Failure to furnish all information required by the TENDER documents or submission of a bid not substantially responsive to the Bid Document in every respect will be at the Tenderer's risk and is likely to result in out-right rejection of the TENDER.

The TENDER must be submitted in original. The annexure as detailed in the TENDER document must be enclosed in the prescribed serial order to facilitate evaluation of technical bid. Any TENDER not having requisite details will be rejected.

2.2 INFORMATION REQUIRED WITH THE PROPOSAL

- a) The Tenderer must clearly indicate the name of the Company/Agency and experience in the field of **Supply, installation and maintenance of Parking Management & Guidance System**. The TENDER should have technical manpower and equipment to carry out the work at the site.
- b) The above information may be provided with the TENDER in the form of separate

sheets/ drawings/ catalogues/visuals etc.

2.3 LOCAL CONDITIONS

It will be imperative on each Tenderer to get fully acquainted with the site/complex building/area/ and factors which may have any effect on the execution of the works covered under these documents and specifications. MDDA shall not entertain any request for clarifications from the Tenderer, regarding such local conditions. The Tenderer shall coordinate with the other service providers and contractor on site as the work is under execution.

2.4 CLARIFICATION OF TENDER DOCUMENTS

- 2.4.1 A prospective Tenderer who requires any clarification in TENDER Document may ask for clarification in writing 10 days before the TENDER opening date.
- 2.4.2 Clarifications, if any, issued by MDDA shall be deemed to be part of the TENDER document.
- 2.4.3 Verbal certifications and information given by MDDA or its employee's representatives shall not be in any way entertained.

2.5 AMENDMENT OF TENDER DOCUMENTS

At any time prior to the submission of the TENDER or prior to the opening of the financial/offer bid, MDDA may, for any reason, whether at its own initiative or in response to a clarification requested by a Tenderer, modify the TENDER documents by issuing amendments. The amendment will be notified in writing or by Fax to all prospective Tenderers, who have taken the TENDER documents. These amendments will be binding on them. MDDA will bear no responsibility or liability arising out of non-receipt of the same in time or otherwise.

**(Signature of Tenderer)
with seal**

SECTION-3

PREPARATION OF TENDER

3.1 LANGUAGE OF TENDER

3.1.1 The language of the Tender should be English

3.2 DOCUMENTS COMPRISING THE BID

3.2.1 The TENDER prepared by the Tenderer shall comprise of the following components.

- a. Covering letter as provided in TENDER document
- b. TENDER form
- c. Documentary evidence establishing that the Tenderer is eligible to TENDER and is qualified to perform the contract, if its TENDER is accepted.
- d. Bid Security (Earnest money) furnished in accordance with the TENDER.
- e. Authorization letter of the Tenderer, for the person representing his firm, that he is authorized to discuss with specific reference to this TENDER.

3.3 BID OFFER

The Tenderer shall indicate the Financial bid which is to be asked, if selected.

3.4 DUTIES AND TAXES

The Tenderer shall be responsible to pay all taxes and duties, custom duty, excise duty, sales tax, C.S.T, local taxes, Trade tax, Income Tax, Surcharge on income tax etc. if any. TDS on payments made to the contractor shall be deducted as per the prevalent laws and rules of Government of India and Government of Uttarakhand. All taxes payable as per Government income tax & service tax norms will be payable by the Tenderer. If any new tax/duty is levied during the contract period the same will be borne by the firm exclusively.

3.4 BID CURRENCIES

Prices should be Indian Rupees only.

3.5 BID SECURITY (Earnest Money Deposit)

3.5.1 The Tenderer shall furnish, as part of its bid, bid security of **Rs 70,000/- Supply, installation and maintenance of Parking Management & Guidance System for Basement-1, Basement-2 and Stilt at Shri. H. N. Bahuguna Commercial cum parking complex, Clock tower** as mentioned in the TENDER notice in the form of a bank draft /FDR issued by a nationalized bank. The Bid security should remain valid for 1 year from the Tender opening date.

3.5.2 Any bid not secured in accordance with para 3.5.1 will be rejected by MDDA as non-responsive.

3.5.2 No Interest shall be payable on the amount of bid security and the same will be released, after the TENDERS have been decided, to those Tenderer who fail to get the contract.

3.5.3 The Bid security (earnest money) may be forfeited:

- a) If a Tenderer withdraws its TENDER during the period of TENDER validity specified by the Tenderer on the TENDER form.
- b) If the successful Tenderer fails to sign the contract within stipulated period.

3.6 PERFORMANCE SECURITY:

3.6.1 The Bid Security deposit shall be released after receipt of Performance Security of **Rs 3,50,000/-**. This Performance Security should remain valid for a period of 1 year or beyond the date of completion of all contractual obligations of the successful Tenderer including warranty obligations.

3.7 PERIOD OF VALIDITY OF TENDER

- 3.7.1 Validity of the offer shall be six months from the date of opening of the TENDER. Without this validity the TENDER will be rejected. The validity must be mentioned on the envelope otherwise TENDER may not be opened.
- 3.7.2 In exceptional circumstances; the MDDA will solicit the Tenderer's consent to an extension of the period of validity. The request and the response thereof shall be made in writing.

3.8 FORMAT AND SIGNING OF TENDER

- 3.8.1 The TENDER must contain the name, residence and places of business of the persons making the TENDER and must be signed and sealed by the Tenderer with his usual signature. The name and designation of all persons signing should be typed/printed/written below the signature.
- 3.8.2 TENDER by corporation/ company must be signed with the legal name of the corporation/ company be the 'President', 'Managing Director' or by the 'Secretary', 'Agent' or other designation. Without disclosing his principal, the TENDER may be rejected.
- 3.8.3 The original copy of the TENDER shall be typed or written in indelible ink and shall be signed by the Tenderer or a person duly authorized to bid and Tenderer to the contract. All pages of the TENDER shall be initialled by the person or persons signing the TENDER.
- 3.8.4 The TENDER shall contain no interlineations, erasures or overwriting except as necessary to correct errors made by the Tenderer in which case such corrections shall be initialized by the person or persons signing the TENDER.

**(Signature of Tenderer)
with seal**

SECTION-4 SUBMISSION OF TENDER

4.1 SEALING AND MARKING OF TENDER:

4.1.1 The TENDER must be completed in all technical and commercial aspect and should contain requisite certificate, drawings, informative literature etc. as required in the specification.

4.1.2 Tender Document can either be downloaded from MDDA's website (www.mddaonline.com) or can be obtained from MDDA office till **2.00 p.m.** on 30th April 2013.

4.1.3 TENDERS shall be received under two bid system: The Technical bid (Packet-1) and the Financial bid (Packet-2).

The Technical bid shall include:

- a. Forwarding letter by the Tenderer
- b. Information of Part I and Part II of the TENDER document with all prequalification documents as per the specified Annexure.
- c. Bid Security Deposit of of **Rs 70,000/-** for **Supply, installation and maintenance of Parking Management & Guidance System for Basement-1, Basement-2 and Stilt at Shri. H. N. Bahuguna Commercial cum parking complex, Clock tower** in the form Bank Demand Draft/FDR in favour of Secretary, Mussoorie Dehradun Development Authority (MDDA) from a Nationalized Bank, in a separate sealed cover.

The Financial Bid:

- a. The Financial/Offer bid shall contain Part-04 of the TENDER document.

4.1.4 The two packets shall be sealed in separate envelopes and shall be put in an outer envelope and shall be super-scribed as under:

Supply, installation and maintenance of Parking Management & Guidance System for Basement-1, Basement-2 and Stilt at Shri. H. N. Bahuguna Commercial cum parking complex, Clock tower

TENDER should be addressed to

The Vice Chairman
Mussoorie Dehradun Development Authority (MDDA)
Transport Nagar, Saharanpur Road, Dehradun-248001,
Uttarakhand

- a. The TENDER should be submitted at the office of the **Executive Engineer, Mussoorie Dehradun Development Authority before 2.00 p.m on 30th April 2013**
- b. TENDERS may be received through Post/courier/by hand. MDDA will not be responsible for any delay in postal receipt.

4.2 EXPENSES OF AGREEMENT:

All the expenses of completing and stamping of the any of the agreement or any other kind of expenditure incurred in the process of TENDER submission shall be borne by the Tenderer.

4.3 DEADLINE FOR SUBMISSION OF BIDS:

TENDER must be received by the MDDA at the date, time and address specified in the TENDER notice/ TENDER documents.

4.4 LATE BIDS:

Any TENDER received after the deadline for submission of TENDER prescribed by the MDDA shall be rejected and / or returned unopened to the Tenderer.

**(Signature of Tenderer)
with seal**

**SECTION-5
TENDER OPENING**

5.1 OPENING OF TENDER:

The procedure of opening of the TENDER shall be as under:

- 5.1.1 The Technical bids (Part-1) are to be opened first.
- 5.1.2 The Financial bid of only those Tenderers shall be opened whose Technical bids are found suitable and commercially clear.
- 5.1.3 Technical bid of the Tenderer shall be opened on **30th April** at **4.00 p.m.** in the presence of Competent Authority and Tenderer who wish to be present there.
- 5.1.4 Opening of Financial bid of technically qualifying Tenderer will be communicated in writing/ fax/ mail/ phone on a later date.
- 5.1.5 In case it is not possible to open second envelop (Part-II) on the day fixed due to unavoidable circumstances then the opening of the second envelope shall be postponed, and intimation of this effect shall be sent to Tenderer by telegram/ fax. It will be in the interest of the Tenderer to send their authorized representatives well conversant with the TENDER and competent enough to take decision on technical and financial/offer matter at the time of opening of second envelope.

5.2 CLARIFICATION OF TENDER:

- 5.2.1 To assist in the examination, evaluation and comparison of TENDER, MDDA may at its discretion ask the Tenderer for a clarification on the TENDER which is submitted by him. The request for clarification and the response shall be in writing.

**(Signature of Tenderer)
with seal**

SECTION-6 AWARD OF CONTRACT

The Tenderer should pass in all items of “Eligibility Criteria” and should obtain minimum 70 marks out of the 100 of “Other Qualifying Criteria” to get shortlisted for Financial/ Offer Bid.

- 6.1 MDDA reserves the right of negotiation with eligible Tenderer before the finalization of the TENDER
- 6.2 MDDA reserves the right at the time of award of contract to increase or decrease the numbers of locations/ quantities without any change in terms and conditions.
- 6.3 MDDA reserves the right to accept any bid and to reject any or all bids or accept any TENDER in total or in parts or work may be divided among various Tenderers without assigning any reason thereof.

6.4 NOTIFICATION OF AWARD

Prior to the expiration of the period of TENDER validity, MDDA will inform the Tenderer by registered letter or by phone or fax that the bid has been accepted and the work has been awarded.

6.5 EXECUTION PERIOD

The entire work shall be completed in all respects **within one month** from the date of award of work.

6.6 LETTER OF AWARD:

Tenderer whose financial quote is lowest in all shall be considered L1 and shall be announced a Contractor for the work and given Letter of Award.

**(Signature of Tenderer)
with seal**

PART-3
SCOPE OF WORK

1. SCOPE OF WORK:

Supply, installation and maintenance of Parking Management & Guidance System for Basement-1, Basement-2 and Stilt at Shri. H. N. Bahuguna Commercial cum parking complex, Clock tower

2. TECHNICAL SPECIFICATION:

2.1 AUTOMATIC PARKING TICKET DISPENSER AT ENTRANCE

- 2.1.1 Ticket printing and issuing after pressing the ticket request button of Ticket
- 2.1.2 Vehicle counting according to the type of ticket
- 2.1.3 Ticket issuing automatically blocked if the car park is occupied
- 2.1.4 Intercom Device
- 2.1.5 Application : Outdoor
- 2.1.6 IP rating : 54
- 2.1.7 Voltage Supply : 230 V AC, 50 Hz
- 2.1.8 Power consumption: device: Max 350W

2.2 BARRIER AT ENTRANCE & AT EXIT

S. No.	Barrier	Description
1	Application	Outdoor
2	Ip Rating	54
5	Digital Inputs	Minimum 8
6	Digital Outputs	Minimum 4
7	Relay Output	At least 6
6	Voltage supply	85-264 VAC, 50/60 HZ
8	Integration	Integrated two-channel induction loop detector
9	Duty Cycle	100%

2.3 MANUAL PAYMENT STATION

Payment Process for parking shall be done at a manual pay station located within the car park control room. This manual pay station shall be able to accept credit cards and coin, banknote payment. The manual pay station shall allow the local operator to carry out transactions and system programming and shall consist of the following equipment:

- i. 1 No. keyboard and L.C.D. display
- ii. 1 No. thermal receipt printer
- iii. 1 No. cash drawer
- iv. 1 No. ticket printer

- v. 1 No. ticket validate – unit for encoding access cards
- vi. 1 No. external LCD (50 mm high) display to show the fee due
- vii. 1 No. credit card reader
- viii. Associated software package

2.4 EXIT TICKET READER/VALIDATOR

1. Checking of parking ticket
2. Vehicle counting according to the type of ticket
3. Intercom Device
4. Application : Outdoor
5. IP rating : 54
6. Voltage Supply : 230 V AC, 50 Hz
7. Power consumption: device: Max 350W

2.5 OUTDOOR DISPLAY AT ENTRANCE

There will be display at entry which will show available number of Parking Spaces at each floor.

- Technology : LED SMD
- IP Index : IP 55
- Dot Pitch : 12mm
- Brightness Control : Automatic or Manual
- LED Angle : 120 degree
- Interface : RS 485

2.6 INDOOR DISPLAY

There will be display in parking area which will show available number of Parking Spaces at each floor.

- Technology : LED SMD
- IP Index : IP 30
- Dot Pitch : 6 mm
- Brightness Control : Automatic or Manual

PARKING MANAGEMENT SYSTEM

S. No.	Item No.	Qty Unit
1	<p>IN - Entrance Control Terminal (Ticket Dispenser)</p> <p>At entry driver will press button of Entrance control terminal and will get a ticket on which date & time will be displayed. Once Ticket is dispensed barrier at entrance will get open.</p> <p>Basic Equipment:</p>	1 Unit

	<ul style="list-style-type: none"> - IN Entrance Control Terminal - Shade set for barcode scanner - Barcode Scanner - VoI P 120 client - 12in/12out-Interface, Parallel barrier control - Thermostatic controlled heater 	
2	<p>OUT - Exit Control Terminal</p> <p>At exit, Exit Control Terminal validates ticket. After validation of payment by exit terminal, barrier placed at exit will get open.</p> <p>Basic Equipment:</p>	1 Unit
	<ul style="list-style-type: none"> - OUT Exit Control Terminal - Shade set for barcode scanner - VoIP 120 client - 12in/12out-Interface, Parallel barrier control - Thermostatic controlled heater 	
3	<p>GATE - Parking Barrier</p> <ul style="list-style-type: none"> - Standard Barrier Left Hand Traffic - Barrier arm 2,70m alu - Control panel for 2 terminals 	2 Unit
4	<p>Manual Payment System</p> <p>At time of leaving parking area, user will make payment by using payment machine. User will insert ticket in the payment machine and according to time displayed on ticket fare will be calculated & displayed. Only for collection of cash parking staff is required. All the vehicles entry time, exit time and count of vehicles will be recorded in the system, which can avoid any kind of manipulation.</p>	1 Unit

	SYSTEM CENTRAL Syst. Administration Printer Scanner Receipt thermal printer Option - External Customer Display	
6	CONTROL - Syst. Administration - Software license - Software license	1 Unit
7	Intercom VoIP 120 Central small, up to 10 clients VoIP 120 Main Station standard	1 Unit

PARKING GUIDANCE SYSTEM:

Sr. No.	Item No.	Qty Unit
1	<p>Outdoor Display: At Entrance and At Exit</p> <p>It will display available number of Parking Spaces at each floor, so user can have access to the information of all floors in just one sign.</p> <p>Parking Sign</p> <p>Technology : LED SMD Dimension : 185x873x90 mm Weight : 5.3kg IP Index : IP 55 LED Color : Red, Green (Two combination colors Amber) Dot Pitch : 12mm Brightness Control : Automatic or Manual LED Angle : 120 degree</p>	3

	Interface : RS 485	
2	Indoor Display : Parking Sign Technology : LED SMD Dimension : 145x430x60 mm Weight : 2.1kg IP Index : IP 33 LED Color : Red, Green (Two combination colours Amber) Dot Pitch : 6 mm Brightness Control : Automatic or Manual LED Angle : 120 degree Interface : RS 485	2

All above quantity and equipments are indicatives; the Tender should have to be familiar to the complex and site before applying the tender.

**(Signature of Tenderer)
with seal**

PART -4
FINANCIAL BID

Name of Work-

Supply, installation and maintenance of Parking Management & Guidance System for Basement-1, Basement-2 and Stilt

I / We(Name of the firm)
do hereby apply for the tender and in case of acceptance of our proposal, we agree to carry out the following work for a consolidated amount of Rs..... (in words).

WORK	AMOUNT (Rs.)
TOTAL AMOUNT FOR SUPPLY, INSTALLATION OF PARKING MANAGEMENT & GUIDANCE SYSTEM FOR BASEMENT-1, BASEMENT-2 AND STILT	
MAINTENANCE COST FOR 5 YEARS (DETAILS AND SCHEDULE TO BE ATTACHED BY THE TENDERER)	
GRAND TOTAL	

The amount is inclusive of all kinds of Taxes, as per the prevailing government norms and necessary deduction will be made as per rule.

(Signature of Tenderer)
with seal

(Signature of Officers)
opening the TENDER