

Design, drawing, supply, installation, testing & commissioning including operation & maintenance of automated car parking system for 180 cars at M-block Market Greater Kailash-II in ward no. 87 South Zone. **Sub Head:** Consultancy Assignment for preparation of detailed Project Report, Comprehensive Architectural, Structural & Engineering Consultancy.

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Sub Head: Consultancy Assignment for preparation of detailed Project Report, Comprehensive Architectural, Structural & Engineering Consultancy.

Request for Proposal

SOUTH DELHI MUNICIPAL CORPORATION


Executive Engineer (Project) South Zone
SDMC
Under Seva Nagar Flyover,
New Delhi-110003

Design, drawing, supply, installation, testing & commissioning including operation & maintenance of automated car parking system for 180 cars at M-block Market Greater Kailash-II in ward no. 87 South Zone. **Sub Head:** Consultancy Assignment for preparation of detailed Project Report, Comprehensive Architectural, Structural & Engineering Consultancy.

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SECTION 1

NIT: - No. D/EE (Pr)-I SZ/2017-18/27

Dated 12-01-2018

NOTICE INVITING REQUEST FOR PROPOSAL

The Executive Engineer (Project-I) South Zone on behalf of SDMC invites the bids from eligible Consultant /firms/ companies registered in any government department or non-registered reputed firms in Two Envelope System having suitable experience in providing Consultancy Assignment for preparation of detailed Project Report, Comprehensive Architectural, Structural & Engineering Consultancy for construction of automated multi-level car parking facility.

The SDMC Registered consultants may submit their bids online and eligible consultants other than SDMC shall submit their bids manually in sealed cover upto 19-01-2018 upto 3.00 PM for the under mentioned consultancy work:

Name of work	Design, drawing, supply, installation, testing & commissioning including operation & maintenance of automated car parking system for 180 cars at M-block Market Greater Kailash-II in ward no. 87 South Zone. Sub Head: Consultancy Assignment for preparation of detailed Project Report, Comprehensive Architectural, Structural & Engineering Consultancy	
1	Estimated Cost	Rs.23,89,500/-
2	Cost of tender	Rs.5,000/- (Non-refundable) in the shape of DD in favour of Commissioner, SDMC with 5 Months Validity at the time of submission.
3	Earnest Money	Rs.47,800/- in the shape of DD in favour of Commissioner, SDMC with 5 Months Validity at the time of submission.
4	Time of completion	12 Months
5	Validity of Rates	5 Months
6	Head of Account	K-154-3018
7	Tenders can be had	Office of EE (Project-I) South Zone, SDMC, Under Bhisham Pitamah Flyover, Sewa Nagar, New Delhi-110003 or can be downloaded from the website: http://mcdonline.gov.in
8	Tenders Submission	EE (Project-I) South Zone, SDMC, Under Bhisham Pitamah Flyover, Sewa Nagar, New Delhi-110003.

Signature
 Executive Engineer (Project) South Zone
 SDMC
 Under Sewa Nagar Flyover,
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Tender Document on Sale & downloading from SDMC Website.	From 12-01-2018 to 22-01-2018 (between 09:30 Hrs to 17:00 Hrs.) on all working days.
Last Date of Submission of queries	23-01-2018
Date of Pre-bid meeting	24-01-2018
Response to queries	25-01-2018
Last Date of submission of Bids	29-01-2018 up to 03:00 PM
Date of Opening for Technical Bids	29-01-2018 at 03:30 PM
Date of Opening for Financial Bids	To be decided later on

Financial Capacity:

a) Turnover:-

Average annual financial turn over for consultancy works should not be less than Rs.11.95 Lac during the immediate last 7 consecutive financial years. Only audited report/statement of the participants will be considered. The loss shall not be for more than two consecutive years.

b) Solvency:-

The consultant will give solvency certificate for an amount of Rs.9,55,800/- (40% of the estimated cost of the consultancy work).

The eligibility criteria for the participating consultancy firm are as under:

Experience of having successfully completed similar consultancy works i.e. Automated Multilevel Car parking, during the last 7 years ending the last day of the month previous to the one in which applications are invited. The participating firm should be minimum three years old in the field of Multilevel Car Parking.

One similar completed consultancy services for works costing more than Rs.10.80 crore.

Or

Two similar completed consultancy services for works costing more than Rs.8.10 crore.

Or

Three similar completed consultancy services for works costing more than Rs.5.40 crore.

Or

Experience of having provided consultancy for the work of automated multilevel car parking

for more than 144 cars.

The Completion certificates duly notarized must be attached as documentary

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evidence in support of the above experience.

The proposal shall contain the Technical & Financial Bids in separate envelopes. Envelope I shall contain technical bid documents (One original + Two Copies) in one sealed envelope. The envelope shall be marked "Technical Bid only". The EM is to be kept in Technical Bid envelope. In case, tender document is downloaded from website the Tender Cost is also to be kept in Technical Bid envelope. The tenders not accompanied by Earnest Money in prescribed form shall be summarily rejected. Envelope II shall contain financial bid only in another sealed cover. For any query contact 011-24331942/ 9717788121.

Executive Engineer (Project-I)/South Zone


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**SECTION 2
INFORMATION TO CONSULTANCY FIRM**

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SECTION 2: INFORMATION TO CONSULTANCY FIRM

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A. GENERAL

1 Scope of Project

1.1 Project Background

The city of Delhi has many Central government offices. Most of its infrastructures was built before 1970. At that time vehicles plying in Delhi and around various government offices were much less when compared to the current day. The surface parking facilities were built to suit the vehicular traffic of that time. The same however is not meeting the current demand due to exponential increase in traffic.

As per the estimation of Automobile industry the number of cars plying on Delhi roads is much more than Mumbai, Kolkata, Chennai, Bangalore, Hyderabad etc. A rapid growth in the use of personal cars/ transport vehicles has been witnessed in recent years. The increasing use of personal transport vehicles/ cars by most of the users is leading to traffic and parking problems around market area. Considering the above situation, Municipal Corporation of Delhi decided to build an above ground automated multilevel car parking facility at their various locations for the use of visitors.

The South Delhi Municipal Corporation has been entrusted the development of Automated Multilevel above Ground Car Parking facility including the project execution responsibilities. The proposed parkings will accommodate approximately 180 cars on the plot measuring 2400 sqm (approx.) at **M-block Market G.K.-II**, to reduce the congestion. SDMC has, hence decided to invite the proposals from the reputed consultancy firms for **Consultancy Assignment for preparation of detailed Project Report, Comprehensive Architectural, Structural & Engineering Consultancy for construction of automated multi-level car parking facilities at M-block Market Greater Kailash-II in ward no. 87 South Zone.**

1.2 Scope of Consultancy Services

The Consultants, through this contract shall remain responsible for the services to be performed through their personnel or on their behalf.

The Consultants shall perform the services and carry out their obligations there under with all due diligence, efficiency and economy in accordance with the provisions of the contract and shall observe sound design/ technical/ engineering practices. The Consultants shall always act, in respect of any matter relating to this contract or the services as faithful advisers to the client.


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1.2.1 Services/Scope of work

The Consultant (also called Supervision Consultant) shall perform all works necessary to supervise the construction of the above mentioned contract package under control and guidance of the Engineer and the Employer ensuring accomplishment of construction works as per works contract in accordance with the specifications and implementation programme.

The Consultant shall issue all necessary instructions to the contractor in consultation with SDMC and check and control the work and to ensure that the work is carried out according to contract documents. Authority of the Consultant to act as SDMC's Representative for the propose of the contract shall not prejudice the authority of the SDMC (the Employer/ Client) to modify, alter or disapprove any or their instructions given to the contractor in writing in connection with the construction of the project.

In the context, SDMC intends to higher the service of consultant for Consultancy Assignment for preparation of detailed Project Report, Comprehensive Architectural, Structural & Engineering Consultancy for construction of automated multi-level car parking facilities at M-block Market Greater Kailash-II in ward no. 87 South Zone. Consultant shall carry out all such duties, which are essential for effective implementation of the construction contract, as mentioned in, but not limited to the following major task defined as below:-

1. To carryout soil testing and topographic survey and prepare layout plan indicating the location of all existing utility services and plan for their relocation, trees to be felled and planted. The detailed field surveys shall be carried out using high precision instruments i.e. total station or equivalent. The date from the topographic surveys shall be available in (x,y,z.) format for use in a sophisticated digital terrain model (DTM) including preparation of key Plan.
2. To prepare the feasibility report for suitable parking system in consonance with the prevailing bye laws and other statutory regulation of Govt. instrumentalities in addition to prepare detailed architectural, traffic management drawings with the view

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of optimum utilization of space, structural design, geometrical design Mechanical ventilation, and firefighting system/sprinklers as well as wet riser system, Smoke evacuation during fire, up flow down flow ramps, water harvesting system arrangement, drainage system, boundary wall, exist and entry gate, drinking and raw water system and other ancillaries of parking areas etc. any other statutory requirement further the BOQ as per the scheduled item of DSR, market rate items based on the above scope shall be submitted.

3. The tender document for execution work shall be prepared out of one of the two alternatives will be approved by the Employer.
4. To carryout structural/geometrical design, and drawing of any other component related with this work but not specifically mentioned above and to do modification in structural design and drawing of the member, if required by the Employer as per site requirement/suggestions of the proof consultant. The decision of Engineer-in-Charge or his authorized representative in this regard shall be final and binding on the Consultant.
5. To design entire system comprising of all such requirement such as intelligence vehicle access control system (IVACS), parking lot signal, bay guidance system, necessary lighting arrangements following the all design standards such as disability glare, foot candle, full cut of type fixture, horizontal luminance light trespass, applied, uniformity ratio (U.R.O)
6. To prepare 'good for construction' drawings for implementation of project and to provide more detail drawings, if required, by the Employer. The pattern of submitting drawing shall be decided by the Engineer-in-Charge or his authorized representative. Initially consultant shall submit three sets of design and drawings in hard forms and one in soft form. There after six sets of finally approved design and drawing in hard form and two in soft form. The Consultant shall submit any additional set of drawing and design calculations in the required no. of copies as may be required by the Employer.
7. The consultant shall tender necessary assistance in getting the design and drawings approved from the Proof Consultant. It will be the responsibility of the Consultant to get the designs and drawings approved from the proof consultant.


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The Consultant shall furnish all the relevant supporting documents, additional design calculations required by the Proof Consultant. The cost of getting the design approved from the proof consultant shall be borne by the consultant.

8. To provide documentation for good practices for maintenance of all the component of project.
9. To provide plan for the smooth movement of traffic at the time of execution of the project without causing undue hindrance to movement of traffic.
10. Consultant shall obtain all types of necessary clearances required for implementation of the project on the ground from the statutory bodies/concerned agencies as per requirement and shall not be paid on this account.
11. To attend pre-bid meeting with the intending tenders and provide clarifications on points other than commercial clarification raised by tenders and to prepare corrigendum and clarification document, if any, in consultation with the Employer after pre-bid meeting.
12. To provide every assistance, guidance and advice in general to the Employer or his authorized representative on matters of checking of designs and drawings of formwork, staging, temporary works etc submitted by the construction contractor.
13. To identify sources of construction materials and vendors list;
14. The consultant will help in evaluation of tender, prepare justification of rates and extend full support in selection of bidder.
15. To attend negotiation meeting with the contractor and provide all assistance in award of the main work.
16. Scrutiny of the construction program submitted by the contractors including offering comments on the same and further recommendations to the employer/engineer-in-charge for his approval. Consultant shall prepare design / re-design structural as well as geometrical features of component of project in case need arises in this regard.
17. To give clarifications on contractor's queries pertaining to the interpretation of drawings/design, specifications and other contractual matters.
18. To prepare drainage design showing locating of turnouts out fall structures.
19. To design entire electrical system comprising of L.T/H.T system, security

