

AGRICULTURAL PRODUCING MARKETING COMMITTEE

Govt. of NCT of Delhi

Sarai Pipal Thalan, New Delhi-110033

NOTICE INVITING QUOTATIONS/TENDER

Executive Engineer, APMC, Azadpur, Sarai Pipal Thalan, New Delhi-110033, for and on behalf of Secretary, APMC, Azadpur invites quotations in sealed envelopes from reputed consultant/public health engineers/ firms for the following work:

Name of Work: Consultancy for services for preparation of DPR for improvement of lanes and by lanes, ramps etc. including sewer and storm water drainage system in A & D Block NSM, Azadpur.

(SH: Providing Design & drawings for complete sewer line and storm line drainage system in A & D Block NSM, Azadpur).

01. Brief Description:-

APMC, Azadpur intends to improve the drainage system in A & D Block NSM, Azadpur including replacement of storm water & sewer lines as the existing system is defunct being old causing lot of back flow and leakages.

02. Estimated Cost: Rs. 3.0 lacs.

03. Time allowed: 45 Days(for completion of the work).

04. Earnest Money: Rs. 6000/- in cash or DD in favor of APMC, Azadpur.

05. Date of start of sale: 04/05/2017

06. Date & Time of submission of quotation: 12/05/2017 at 3:00PM

07. Address for submission of quotation/Tender: In the office of Executive Engineer, Azadpur, 3rd Floor, APMC, Azadpur Sarai Pipal Thalan, New Delhi-110033

** The quotation shall be submitted in two part i.e 1st envelop shall have the EMD deposit details or DD and 2nd envelop shall have the complete quotation form along with the schedule of quantity duly filled. Both these envelopes shall be placed in a single duly earmark the office address of EE, Azadpur and also super scribed the name of work.*

07. Scope of work:

There is an earlier sewerage system in Block A & D of NSM, Azadpur. This sewer line was laid in the year 1996-97 and with the passage of time and also with the passing of vehicles over the lane, at few places this sewer line has been settled and has become the source of stagnation / choking of line as well as leakage in the adjoining basements. This leakage in basement is very often and enormous during rainy season.

Therefore, The Marketing Committee of APMC, Azadpur has decided for relying of this sewerage line during the 2nd meeting held on 13.05.2014

Now to formulated the complete scheme of sewerage system it has been decided to engage a services consultant who will design the complete sewerage system wrt the available discharge as well as who will simultaneously take care of leakage of basement with the mode and system as deem fit to the consultant considering technical requirement and economy to the proposal.

Therefore, scope of work of the consultant of against this agreement shall be as under:

- a) To inspect area in the basements which are affected along with the sewerage/storm lines and accordingly furnishing the proposal and estimate. The estimate which shall take care of leakage of basement shall be independent to the drainage estimate because if any waterproofing treatment under the proposal is required it may be called independently from specialized agency.
- b) To calculate likely discharge will shall be catered through this proposed sewerage system and accordingly to design the sewerage line and manholes.
- c) To carrying out he leveling work of existing round, invert level of present manholes and any other field data required of design sewerage/drainage system.
- d) Preparation of all drawing work on which estimate of the work shall be based. Formulation of specification and drawings w.r.t of required levels and shall also take care of position of existing system.
- e) Safety precaution required during the execution of work like excavation should also be mentioned by the consultant.
- f) The consultant shall carry out the design and drawing of the complete drainage system in A & D Block NSM, Azadpur including (storm water lines and sewer lines) including preparation of joint details of the lines/pipes, correct estimated storm water and sewage discharge, type of lines/drains

and pipes along with its sizes and justification to the same by the way of calculation sheets in support of design etc. complete so that the details etc. are clear to execution staff.

- g) The consultant shall also require to design the complete drainage system by providing all the levels i.e invert level, top level and other required level along with slopes and gradients. The depth size and spacing of manholes and GT should clearly be mention in the working drawing along with proper calculation sheet in support as justification.
- h) After approval of the working drainage drawings, the consultant shall provide the complete estimate for work on the basis of DSR 2014 and in case if certain items are not available in DSR, then he shall analyze the item on market rates with supporting quotations.

09. Terms & Conditions for drainage design works:

- i) The schedule of quantity of work is attached herewith.
- ii) The rates of the consultant shall be inclusive of all taxes and nothing extra on any a/c shall be paid except to his quoted rates.
- iii) The design submitted by consultant should be accordance to manual on hydraulic design of sewer and storm water drains and also in accordance to latest IS Codes.
- iv) Strom drains should be design to carry the maximum storm runoff that is likely to be produced by the contributing catchment area from a rain of design frequency and of duration equal to the time of concentration.
- v) Unforeseen increase in population or water consumption and the consequent increase in sewage production may be taken in account while designing the drainage system.
- vi) Proper Freeboard of the drainage system lines should be mentioned in the design calculation and drawings.
- vii) Minimum Velocity (Self Cleansing Velocity) and maximum velocity (Non Scouring Velocity) shall be taken in account and the type of material use for sewerage pipes and storm water drains shall be mentioned in particular in

working drawings and estimate along with proper justification of material to be used.

- viii) The consultant shall provide the design calculation of the drainage system and shall also facilitate the department in case APMC wishes to get it proof checked from IIT or DIT. Nothing extra on a/c helping in proof checking shall be given, however, it will be a responsibility of the consultant to get it clear from them and in case, if there is any discrepancy, he will get it rectified to the satisfaction of proof checking agency. The amount required to be paid to IIT/DIT, on a/c proof checking shall be given by the department.
- ix) The consultant shall provide at least 3 types of makes/material for drainage system which is to be utilized in the work designed by him.
- x) The Consultant/Designer shall co-ordinate with EE (Civil/Elect.) APMC, Azadpur and other offices to sort out any discrepancy or to obtain any details for services/ electrical requirements.
- xi) Before start of drainage design work, general arrangement/Preliminary sizes of members shall be got approved from department.
- xii) Design and Detailing of the drainage system, arrangements system shall be in accordance with relevant latest BIS codes.
- xiii) The joint details of pipes/drains shall be provided in a large scale to understand the relevant details.
- xiv) Consultant/Designer shall give due consideration to the economy in design consistent with, functional requirement and strength of the drainage system.
- xv) One set of working drawings in draft shape along with all design parameter, discharge and sewage calculation etc. shall be submitted to the competent authority of APMC / DAMB for scrutiny and approval.
- xvi) Three sets of Fair legible prints marked "good for construction" shall be got approved from the department by the agency after incorporation of all the modifications /corrections suggested by the department or proof checking agency, if appointed by the department.
- xvii) Agency shall issue following prints of approved drawings.

- a) Six sets of legible suitable size Good for construction i/e connection details.
 - b) Bill of quantity with details of measurements in Excel Sheet.
 - c) CD of soft copy in Auto Cad format and STAAD input & out file with latest software version.
 - d) Working drawings and other services drawings along with all data's calculations etc. shall be the property of the department. The designing agency shall not have any right over these in future.
- xxii) Secretary, APMC, Azadpur /Engineer in charge reserves right to reject any / all the other without assigning any reason.
- xxiii) Disputes, if any, shall be referred to Arbitrator in spirit of Clause 25 of CPWD General conditions of Contract 2014 with up to date corrections slip.

10. Time Schedule

1. Maximum time allowed for completion of work from date of issue of award letter is 45 days with detailing of complete work as under:

- | | | |
|---|---|---------|
| i. Carry out the survey and leveling work | - | 05 days |
| ii. Survey of effected basement and to submit report i/c carrying of treatment proposed of water tightness. | - | 10 days |
| iii. Submission of design calculation including all details like discharge etc. | - | 05 days |
| iv. Submission of proposal for treatment for basement and sewerage / storm water lines | - | 20 days |
| v. Submission of estimate | | |
| i) Treatment of basement | | |
| ii) For sewerage system and CC pavement | | |
| iii) Storm water drainage system | | |

2. In case of delay of any said activity, a compensation will be levies @ Rs. 200/- per day. The work order can be closed by engineer-in-charge without assigning any reason & without any compensation to the agency.

11. Payment Schedule

- | | | | |
|----|--|---|-----|
| a) | Carryout the survey and leveling work | - | 5% |
| b) | Survey of effected basement and to submit report i/c carrying of treatment proposed of water tightness | - | 15% |
| c) | Submission of design calculation including all details like discharge etc. | - | 10% |
| d) | Submission of proposal for treatment for basement and sewerage / storm water lines | - | 20% |
| e) | Submission of estimate | - | 25% |
| | i) Treatment of basement | | |
| | ii) For Sewerage system and CC pavement | | |
| | iii) Storm water drainage system | | |
| f) | On completion of work | - | 25% |

A security deposit of 10% of work done shall be deducted from R/A bill which shall be refunded on satisfactory completion of the work and along with the final bill of the consultancy work.

Certificate of consultant:

I have read the conditions of contract and rates of the work are being offered after taking in cognizance the description, scope of work, Terms & Conditions, Time & Payment schedule of work.

Executive Engineer

Design Consultant

This quotations form bearing no.
EE/APMC/Engg./_____dt._____
bearing pages 1 to 6 and schedule of
quantity having page no.7 Issued to
Sh. /M/s _____

Executive Engineer, APMC, Azadpur

Schedule of quantity

SH: Providing Design & drawings for complete sewer line and storm line drainage system in A & D Block NSM, Azadpur

S.No.	Description of Item	Quoted fees in words (excluding service tax)
1.	Lump-sum fees for consultancy Services for preparation for details Design & drawings for drainage system of A & D Block NSM, Azadpur including <ol style="list-style-type: none">a) Carry out the survey and leveling workb) Survey of effected basement and to submit report i/c carrying of treatm,ent proposed of water tightnessc) Submission of design calculation i/c all details like discharge etc.d) Submission of proposal for treatment for basement and sewerage/storm water lines.e) Submission of estimate<ol style="list-style-type: none">i. Treatment of basementii. For sewerage system and CCpavementiii. Storm water drainage system	Rs...../- (Rupees)
	Total Rs.	

Executive Engineer

Design Consultant