

# **AGRICULTURAL PRODUCE MARKETING COMMITTEE**

**Govt. of NCT of Delhi**

**Sarai Pipal Thalan, New Delhi-110033**

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## **NOTICE INVITING QUOTATIONS**

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 structural engineers / firms for the following work:

**Name of Work: Re-construction of shed no. 11 & 9 at APMC, Azadpur**

**(SH: Providing Architectural /Structural and electrical designing of shed no. 11 & 9 of APMC, Azadpur separately for both the sheds)**

**01. Brief description: -**

APMC, Azadpur intends to construct shed no. 11 and 9 of following sizes with steel structure and scope of work as detailed hereunder:

Size of shed no. 11 - 99.5 meter x 34.90 meter

Size of shed no. 9 - 36.325 meter x 34.280 meter

**02. Estimated cost:** Rs 1.50 lacs for each shed i.e. Rs. 3.0 lacs for both the sheds.

**03. Time allowed** for completion of the work: 30 days

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

**05. Date of start of sale:** 01/09/2016

**06. Date & time of submission of quotation:** 08/09/2016 at 3.00 P.M.

**07. Address for submission of quotation:** In the office of Executive Engineer, Azadpur, 3<sup>rd</sup> floor, APMC, Azadpur Sarai Pipal Thalan, New Delhi-110033

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

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**08. Scope of work:**

- a) The scope of work under this contract shall comprise of preparation of general arrangement line / lay out plans and cross sections showing the location and details of the various components of the shed, their location, spans, type of trusses, location of purlins, sheets, platform, tentative detail of foundations, drainage arrangements and electrical line diagrams etc. complete i/c rain water harvesting details. After approval of the layout drawings of sheds.
- b) The consultant shall carry out the structural design and drawing of the sheds including preparation of joint details of the trusses/ columns and all joinery and splicing details etc. at the foundation level, bracings, etc. complete so that the welding details etc. are clear to the execution staff.
- c) The consultant shall also require to design the complete shed for its electrical fitting and fixtures with showing the electrical circuit and line detail complete.
- d) After approval of the Architectural and structural drawing, the consultant shall provide the composite estimate for civil and electrical part 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 structural design works:**

- i) The schedule of quantity of work is attached herewith.
- ii) The rates of the structural consultant shall be inclusive of all taxes i/c service tax etc. and nothing extra on any a/c shall be paid except to his quoted rates.
- iii) The structural consultant shall get all work of electrification through electrical engineer and he will associate such competent electrical engineer for getting complete all electrical part of the scope of work as defined in the document.

- iv) The structural consultant shall make provision of column at a distance so that at least 2 trucks may be adjusted in between the columns and to the satisfaction of Engineer-in-charge.
- v) The height of the column shall be so adjusted, so that it may not hamper the shed while the vehicle is decked along the shed.
- vi) A separate switch / control board shall be provided so that both the traders of either side may operate their electrical fitting / fixture independently.
- vii) While designing the electrification plan, the structural / electrical consultant shall ensure that short circuiting can be avoided in the event of any electrical leakage.
- viii) The consultant shall provide the design calculation of the structure and shall also facilitate the department in case APMC wishes to get it proof checked from IIT or DIT. Nothing extra on a/c of helping in proof checking shall be given, however, it will be a responsibility of the structural 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 Architectural /electrification and structural drawing shall be provided separately for each shed.
- x) The consultant shall plan the electrical fittings and fixtures in consistent with the size of the structure. He shall also require to provide the make / detail of electrical fitting and fixtures accordingly.
- xi) The structural consultant shall provide the complete estimate of shed no. 11 & 9 separately as a composite work detailing civil and electrical part under different subhead. The estimate so prepared shall be based on the approved Architectural / structural / electrical drawing of the work.
- xii) The consultant shall provide at least 3 makes of each items which is to be utilized in the work designed by him.

- xiii) The Structural Designer shall co-ordinate with EE (Civil/Elect) APMC, Azadpur and other offices to sort out any discrepancy or to obtain any details for architectural /structural/ services/electrical requirements.
- xiv) Before start of structural design work, general arrangement/Preliminary sizes of members shall be got approved from department.
- xv) Design and Detailing of the structures, drainage, Rain Water Harvesting System, Electrical lighting & Fire safety arrangements system shall be in accordance with relevant latest BIS codes, including seismic resistance design.
- xvi) The joint details shall be provided in a large scale to understand the welding and other relevant details.
- xvii) Welding chart along with its length and type shall be provided in a large scale so as to understand the welding.
- xviii) The splicing detail in a large view shall be provided so as to understand the arrangement of joint in the event of large member.
- xix) Structural Designer shall give due consideration to the economy in design consistent with, functional requirement and strength of the structure.
- xx) One set of structural drawings in draft shape along with all design parameter, loading calculations etc. shall be submitted to the competent authority of APMC/ DAMB for scrutiny and approval.
- xxi) 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.
- xxii) Agency shall issue following prints of approved Architectural /structural/ electrical drawings.
  - a) Six sets of legible suitable size Good for construction i/c shop drawing & 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) Structural 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 offer 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 correction slip.

## 10. Time schedule

1. Maximum time allowed for completion of work from date of issue of award letter is 30 days with detailing of complete work as under:
  - a) For Architectural drawing of sheds - 05 days
  - b) For structural drawing of shed - 15 days
  - c) For electrification drawing of shed - 05 days
  - d) For estimates of the work - 05 days
2. In case of delay of any said activity, a compensation will be levied @ 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

On finalization of Architectural / structural drawing	-	50%
On providing estimate of shed / sheds	-	40%
On completion of work	-	10%

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, and conditions, Time & payment schedule of work.

Executive Engineer

Structural consultant

This quotation 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\_\_\_\_\_

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Executive Engineer, APMC, Azadpur

## Schedule of quantity for Re-construction of shed no. 11 & 9 at APMC, Azadpur

(SH: Providing Architectural /Structural and electrical design for shed no. 11 & 9)

S.No.	Description	Qty	Rate	Amount
1.	Preparation of Architectural / structural design and drawing i/c designing of electrification plan of the shed no. 11 with a provision of a) Steel structure design for columns and trusses b) Foundation design for columns for its RCC and reinforcement c) Electric cabling route with a provision of conduit d) Positioning of switch board and master panel of the shed. e) Markings provision for all electrical fitting and fixtures for light, fan, CCTV, weigh-ment scale, and internet facilities. f) Rain water drainage provision and its routing. g) Rain water harvesting routing and pipe detail. h) Designing of rain water gutter, base plate of columns and a wind ties etc.	1 No.		
2.	Preparation of Architectural / structural design and drawing i/c designing of electrification plan of the shed no. 09 with a provision of a) Steel structure design for columns and trusses b) Foundation design for columns for its RCC and reinforcement c) Electric cabling route with a provision of conduit d) Positioning of switch board and master panel of the shed. e) Markings provision for all electrical fitting and fixtures for light, fan, CCTV, weigh-ment scale, and internet facilities. f) Rain water drainage provision and its routing. g) Rain water harvesting routing and pipe detail. h) Designing of rain water gutter, base plate of columns and a wind ties etc.	1 No.		
Total Rs.				

Executive Engineer

Structural Consultant