

Tender Notice

Tenders are invited from reputed design consultants for HVAC and Civil/Structural design & detailing works and preparation of drawings for construction of Post Graduate Institute at Rohtak Medical College having a total construction area of approx. 55200 SqM. The tender document can be downloaded from HSCC website www.hsccltd.com and submitted within 7 days of publication of this advertisement, along with the prescribed tender document fees, to GM(D&E-C), HSCC(I) Ltd., E-6(A), Sector-1, Noida, U.P.-201301.

GM(D&E-C)

SECTION I : SCOPE OF WORK

1.0 Scope of work :

The Scope of Work involve carrying out HVAC and Civil / Structural Design & Detailing Works and preparation of drawings for construction of Post Graduate Institute at Rohtak Medical College as detailed below :

Package-I : Civil / Structural Design & Detailing Works for Working Stage

Drawings of substructures (foundation, column, piles, raft etc.) & superstructures (framing plan, slab & beam details, staircase & miscellaneous details etc.) will be made on design cum drawing basis in close coordination with HSCC. Changes, if any, shall be carried out as required and no extra payment shall be made for all such changes. The total nos. of drawings estimated for the project are between 150-200 nos. All drawings shall be prepared in A1 size.

Rates may be quoted on per drawing basis inclusive of design. Complete design calculation along with STADD Pro analysis will be within the scope of consultant for which nothing extra is payable. The consultant shall arrange to get the drawings vetted through IIT Delhi (Indian Institute of Technology, Delhi), payment for which shall be borne by HSCC.

The details of the buildings are as under :

Sr. No.	Buildings	Approx. Area (in SqM)	No. of Floors	Remarks
1.	OPD Block	21000.00	4	Buildings to be designed as RCC framed structure as per IS 1893 & IS 13920 (SMRF)
2.	Mental Block	4200.00	2	
3.	Trauma Block	19000.00	4	
4.	Mother & Child Block	11030.00	6	

Package-II : HVAC Design, Detailing and Preparation of Drawings up to Tender Stage.

Design & detailing works including heat load calculations, planning of HVAC system, selection of equipments, ducting design, piping design, associated electrical designs, preparation of drawings and detailing, Preparation of Technical Specifications, preparation of Bill of Quantities and Cost estimates etc. for the complete HVAC system on turnkey lumpsum basis. All drawings shall be prepared in A1 size.

The design shall be carried out as per ASHRAE / ISHRAE standards and other relevant CPWD / IS specifications and standards. Complete design calculations, quantity calculations take off sheets and cost analysis along with backup price lists/quotations and drawings shall be in the scope of works and shall be submitted by the design consultant for which nothing extra is payable. Preparation and submission of detailed designs, tender, technical schedules, bill of quantities etc. for the HVAC works shall comprise (but not limited to) the following :

- Detailed heat load calculation for summer, monsoon and winter conditions and calculation of tonnage and air quantities to be supplied to the air-conditioned areas.
- Basis of equipment selection with supporting calculations
- Detailed Schedule of equipments
- Detailed air distribution layout drawings in double lines with duct sizes, air quantities, air handling units size and capacities, sizes and locations of grilles/diffusers etc.
- Detailed piping distribution layout drawings in double line with pipe sizes, water flow rates, pumps and cooling tower sizes and capacities etc.
- Plant room equipment layout drawing in double lines with sectional details
- Ducting, piping and insulation fabrication and installation details drawings
- Sections for critical locations showing details and levels where ducts , pipes and other services etc. cross each other.
- Electrical power wiring and panel drawings for various plant room equipments and other HVAC system equipments
- Preparation of detailed equipment specifications, technical data schedules of equipments, testing procedures, measurement procedures etc.
- Preparation of bill of quantities and detailed cost estimates on prevailing market rates with supporting rate analysis and price lists/quotations etc.

The details of the buildings are as under :

Sr. No.	Buildings	Approx. AC Area
1.	OPD Block	3000 SqM
2.	Trauma Block	8000 SqM

Architectural Drawings for the above buildings shall be provided by HSCC.

SECTION II : INSTRUCTIONS TO BIDDERS

1.0 Scope of work :

The Scope of Work involve carrying out HVAC and Civil / Structural Design & Detailing Works and preparation of drawings for construction of Post Graduate Institute at Rohtak Medical College as specified under Section-I (Scope of Work).

2.0 Definitions :

- a. Employer means M/s HSCC (India) Limited (HSCC), a Government of India Enterprise, having its Corporate office at plot No. 6(A), Block-E, Sector -1, Noida, Distt. Gautam Budh Nagar (UP).
- b. Agency means the firm whose bid to carry out the Works has been accepted by the Employer
- c. The Contract Price is the price stated in the Letter of Award/Acceptance and thereafter as adjusted in accordance with the provisions of the Contract
- d. Days are calendar days; months are calendar months
- e. In these documents wherever the word tender/ tenderer/tendering has been used, the same may be considered synonymous with bid/bidder/bidding.

3.0 Cost of bidding :

The bidder shall bear all costs associated with the preparation and submission of his bid, and the Employer will in no case be responsible or liable for those costs.

4.0 Content of bidding documents :

The set of bidding documents comprises the documents listed below :

Section-I	:	Scope of Work
Section-II	:	Instruction to Bidders
Section-III	:	General Conditions of Contract
Section-IV	:	Bill of Quantities

5.0 Amendment of bidding Documents :

- 5.1 Before the deadline for submission of bids, the Employer may modify the bidding documents by issuing addenda.
- 5.2 Any addendum thus issued shall be part of the bidding documents and shall be communicated in writing or by cable to all purchasers of the bidding documents.

- 5.3 To give prospective bidders reasonable time to take an addendum into account in preparing their bids, the Employer shall extend as necessary, the deadline for submission of bids.

Preparation of Bids

6.0 Language of bid :

All documents relating to the bid shall be in English Language only.

7.0 Bid prices :

- 7.1 The bidder shall fill the rates against each item of BOQ both in words and figures.

- 7.2 All duties, taxes, and other levies applicable and payable by the agency under the Contract, or for any other cause shall be included in the rates, prices, and total amount of bid submitted by the bidder. The evaluation and comparison of bids by the Employer shall be made accordingly.

- 7.3 The rates and prices quoted by the bidder shall be fixed for the duration of the Contract and shall not be subject to adjustment on any account.

8.0 Currencies of bid and payment :

The rate to be quoted by the bidder shall be in Indian Rupees.

9.0 Bid validity :

- 9.1 Bids shall remain valid for a period of 90 days after the specified deadline for bid submission.

- 9.2 In exceptional circumstances, the bidders may be requested to extend the period of validity for a specified additional period. The request and the bidders' responses shall be made in writing or by cable. A bidder agreeing to the request will not be required or permitted to modify his bid.

10.0 Sealing, marking and submission of bid :

- 10.1 The bid shall be submitted in accordance with the procedure detailed herein. Documents shall be enclosed in separate envelopes of appropriate size each of which shall be sealed.

- (i) Envelope No. 1 shall contain the covering letter and Section-I, Section-II and Section-III of the Tender Documents duly signed and stamped.
- (ii) Envelope No. 2 shall contain only the bill of quantities (Section-IV) and rates/prices duly filled in and signed and stamped without any conditions whatsoever.

- (iii) Bids containing any conditions in Envelope no. 1 or 2 are liable to be summarily rejected. Any variation between the rates mentioned in figures and words, the rates in words shall prevail.
- (iv) Separate Bids shall be submitted for each of the following Package works:
- Package-I : Civil / Structural Design & Detailing Works for Working Stage**
- Package-II : HVAC Design, Detailing and Preparation of Drawings up to Tender Stage.**
- (v) Each Bid shall be clearly marked indicating the Package for which the Bid is submitted.

Note : The price should not be indicated in any of the documents enclosed in envelope 1

- 10.2 The bidder shall seal the bid.
- 10.3 The Tender Document Fees (Non refundable) of **Rs. 500/-** shall be paid in the form of Demand Draft / Banker's cheque in favour of **HSCC (I) Limited** payable at **NOIDA/DELHI**.
- 10.4 Envelopes 1 & 2, along with the Tender Document Fees, shall be sealed and enclosed in an envelope, clearly indicating the Package for which the Bid is submitted, and addressed to the General Manager(D&E-C), HSCC (India) Ltd, Plot No. 6(A), Block-E, Sector-1, Noida, Distt. Gautam Budh Nagar, Uttar Pradesh, Pin – 201 301.
- 10.5 All the envelopes shall indicate the name and address of the bidder to enable the bid to be returned unopened, if required.
- 10.6 All recipients for the purpose of submitting a bid, shall treat the contents of the documents as private and confidential.
- 11.0 Deadline for submission of bids :**
- 11.1 Bids must be received by the Employer at the address specified above not later than 15.00 hrs. of the designated deadline. In case the day of designated deadline for submission of bids is a holiday than the deadline for submission of bids shall stand extended upto 15.00 hrs. on the next working day.
- 11.2 Any bid received by the Employer after the deadline prescribed will not be considered and shall be returned unopened to the bidder.
- 11.3 No bid may be modified after the deadline for submission of bids.

Tender Opening and Evaluation

12.0 Bid opening :

- 12.1 Bids shall be opened in the office of HSCC (India) Ltd, Plot No. 6(A), Block-E, Sector 1, Noida, Distt. Gautam Budh Nagar, Uttar Pradesh, Pin - 201301, half an hour after the prescribed time for tender submission in presence of the bidders representatives who may wish to be present.

If the Tender Document Fees is not found as prescribed the bid may be summarily rejected.

Envelope No.1: Shall be opened first. Bids of parties who do not accept the conditions laid down in the bid documents may be rejected.

Envelope No. 2 : Containing the sealed price bid, of bidders whose bids is found to be generally in order and substantially responsive, shall be opened either at the bid opening or at a subsequent date to be intimated in advance to such eligible bidders.

- 12.2 The Employer will examine the bids to determine whether they are complete, whether the bids have been properly signed and whether the bids are generally in order.
- 12.3 Telegraphic/ fax offer will be treated as defective/ invalid and rejected. Only detailed complete bids received prior to the closing time and date will be taken as valid.
- 12.4 The bidders names, general details and such other details as the Employer, at his discretion may consider appropriate will be announced at the bid opening.
- 12.5 The bid of any bidder who has not complied with any of the instructions contained herein may not be considered.

13.0 Process to be confidential :

- 13.1 Information relating to the examination, clarification, evaluation, and comparison of bids and recommendations for the award of a contract shall not be disclosed to bidders or any other persons not officially concerned with such process until the award to the successful bidder has been announced. Any effort by a bidder to influence the Engineer's processing of bids or award decisions may result in the rejection of his bid.

14.0 Examination of bids and determination of responsiveness :

- 14.1 Prior to the detailed evaluation of bids, the Employer will determine whether each bid (a) has been properly signed; (b) is substantially responsive to the requirements of the bidding documents; and (c) provides any clarification and/or substantiation that the Employer may require.

14.2 A substantially responsive bid is one which conforms to all the terms, conditions, and specifications of the bidding documents, without any material deviation or reservation. A material deviation or reservation is one (a) which affects in any substantial way the scope, quality, or performance of the Works; (b) which limits in any substantial way, inconsistent with the bidding documents, the Employer's or the bidder's obligations under the contract or (c) whose rectification would affect unfairly the competitive position of other bidders presenting substantially responsive bids.

14.3 If a bid is not substantially responsive, it will be rejected by the Employer, and may not subsequently be made responsive by correction or withdrawal of the nonconforming deviation or reservation.

15.0 Correction of errors :

15.1 Bids determined to be substantially responsive will be checked by the Employer for any arithmetic errors. Errors will be corrected by the Employer as follows :

- (a) where there is a discrepancy between the amounts in figures and in words, the amount in words will govern; and
- (b) If the bidder does not accept the corrected amount of bid, his bid will be rejected.

16.0 Currency for bid evaluation :

Bids shall be evaluated as quoted in Indian Rupees.

17.0 Evaluation and comparison of bids :

17.1 The Employer will evaluate and compare only the bids determined to be substantially responsive in accordance with Clause 14.

17.2 In evaluating the bids, the Employer will determine for each bid the Evaluated Bid Price by adjusting the Bid Price after making any correction for errors pursuant to Clause 15.

Award of Contract

18.0 Award Criteria :

18.1 The Employer may consider awarding the Contract to the bidder whose bid has been determined to be substantially responsive to the bidding documents and who has offered the Lowest Evaluated Bid Price.

19.0 Employer's right to accept any bid and to reject any or all bids :

19.1 Notwithstanding Clause 18.0, the Employer reserves the right to accept or reject any bid, and to cancel the bidding process and reject all bids, at any time prior to the award of contract, without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders of the ground for the Employer's action.

SECTION – III : CONDITIONS OF CONTRACT

The General Conditions of Contract are as under :

1.0 Delay & Extension :

If the work is delayed by force majeure or any other cause which is in the absolute discretion of HSCC is beyond the agency's control, they shall immediately upon the happening of such event contributing to delays give notice thereof in writing to the employer but shall nevertheless use constantly their best endeavours to prevent or make good the delay and shall do all that may be reasonably required to the satisfaction of HSCC to proceed with the work.

Request for extension of time shall be made by the agency in writing within 3 days of the happening of the event causing delay. The agency shall also indicate with any such request, the period for which extension is required. In any such case HSCC may give a fair and reasonable extension of time for completion of individual items of groups and items of work for which separate period of completion are specified in the contract as a whole, but it shall be the sole discretion of the employer to grant or refuse such extension.

The decision of HSCC in regard to the extension will be communicated to the agency in writing within a reasonable time but no compensation or any extra amount shall be paid for such extensions granted by HSCC.

RISK PREJUDICE CLAUSES

2.0 Arbitration :

If at any time any doubt, question, dispute or difference whatsoever, shall arise between the agency and HSCC upon or relating to or in connection with this contract, either of parties may give the other notice in writing of existence of doubt. Question, dispute or difference and the same shall be referred to the Chairman- cum – Managing Director, HSCC or his nominee as sole arbitrator in accordance with the latest Indian Arbitration Act including up to date amendments, if any. The decision of the Sole Arbitrator thereon shall be final, conclusive and binding upon the parties to dispute.

The party invoking the arbitration shall specify the dispute or disputes to be referred to the arbitration under the clause together with the amount or amounts claimed in respect of each of dispute.

3.0 **Jurisdiction of Court :**

All disputes arising out of this contract shall have the jurisdiction of courts of the Union Territory of Delhi only.

4.0 **Termination of Contract :**

HSCC reserves the right to terminate, or postpone the work for good and sufficient cause and shall give 30 days prior notice in writing to the agency (HSCC being the sole judge for the same). The agency shall be paid for useful work done up to the date of termination. HSCC shall determine the credit to be given to the agency for the value of the work executed by the agency. The agency shall give the HSCC all the data, compiled report, drawing etc. prepared by the agency till the date of termination before the final dues are paid to the agency. Even after the termination of agreement, the agency shall continue to co-operate with HSCC to such a reasonable extent as may be necessary to clarify or explain any reports or recommendations in documents or detailing made by them.

5.0 **Breach of Trust :**

Unless otherwise directed by HSCC specifically, the agency shall not contact directly or indirectly the Client or any other Authority connected with the Project. Non compliance of this clause shall be treated as breach of the Trust resulting in termination of contract between HSCC and the agency forthwith any prior notice to him. In such event, no objection will be entrusted to him in future by HSCC.

6.0 **Discussion with HSCC & Approvals :**

Availability : The agency shall make themselves available at reasonable notice to be present for discussions with HSCC. The agency shall also provide assistance, advice and information from time to time for discussions with other agencies or HSCC officials connected with the work without any extra claim.

Approval of Work : The agency shall get approved the work done by him at every stage throughout the period from HSCC. However, such approval by HSCC shall not absolve the agency of the total responsibility of the correctness and soundness of the work and other obligations under this contract

Meetings : The design detailer will regularly attend the HSCC for meeting on the date specified by HSCC till the completion of the design works in which the progress made in the works will be discussed and clarifications required, if any, will be given. All costs incidental to such interaction for meetings shall be to the agency's account and no claim shall be entertained by HSCC on this account.

7.0 **Guarantee and Liability of The Agency :**

Liability : The agency shall be liable for all consequences of errors and omissions arising from errors solely attributable to agency or on the part of their employees to the extent and with the limitation specified by HSCC.

Associated Necessary Work : Any other items of work not mentioned specifically in the scope of work but required/felt necessary for the completion of the works as a whole in all respects shall be deemed to be included in the scope as well in the fees quoted by the agency and no extra claim shall be admissible on this account.

8.0 **Ownership of Documents & Copy Rights :**

(a). The copy right of all drawings , reports, calculations, BOQs, tender papers and other similar documents provided by the agency in connection with Project/work shall remain vested in HSCC.

(b). The agency shall not publish without the written consent of employer or use for purpose other than those for this work, the articles, designs, photographs or illustrations, related to this work/project.

9.0 **Changes or Alteration of Designs / Drawings :**

Changes or alterations as desired by HSCC, due to site constraints, or otherwise as required during the pendency of the contract will be done by the agency under their scope of work within the fees already quoted and agreed upon.

10.0 **Correctness and Accuracy of Data :**

The agency shall be fully responsible for the correctness and accuracy of data, planning, designs, drawings, specifications, bills of quantities and documents furnished by them. If any inadequacy is observed in the work performed by them, they shall at their own initiative and no extra cost to HSCC take all steps necessary to remedy/rectify the said defects or inadequacies. The agency shall incorporate all the modifications or changes as desired by the HSCC in drawings, plans and reports, design etc. at no extra cost to HSCC.

11.0 **Safety of Design :**

The agency shall be fully responsible for the safe design as per National standards and requirements. In the absence of National standards, requirement shall be of International standards. The structural stability certificate shall be provided by the agency as per format/guidelines of HSCC.

12.0 Performance Guarantee :

The agency shall fully stand guarantee and Indemnify HSCC for the design and detailing done by them and also performance and detailing etc. of the works. Agency shall submit guarantee to HSCC on the proforma approved by HSCC.

13.0 Code of Practice :

The report, design and drawings for all works shall confirm to local building bye-laws and other state regulations as well as relevant latest Indian Standard Specifications and /or standard code of Practice. Where Indian Standards are not available, equivalent International standards and/or generally accepted sound engineering Practices shall be followed. Deviation from BIS / ASHRAE Recommendations and adoption of other code of practice will require prior approval of HSCC in writing. All reports, computations, drawings shall be submitted in English language and in Metric/ SI units

14.0 Documentation of Design and Drawings :

The following design and drawing outputs shall be submitted by the design consultant :

- a) One set of hard copy of all design calculations along with support documents
- b) One set of hard copy of all drawings in A1 size
- c) One set of detailed cost estimates along with backups (for HVAC Works only)
- d) One set of soft copy of all design calculations and drawings in CD

15.0 Time of Completion :

- a) Package-I : Civil / Structural Design & Detailing Works for working stage

Sr. No.	Design Stage	Time of Completion
1.	Preparation of Design & Drawings (sub structure works)	Within 10 days from the date of Award of Work
2.	Preparation of Design & Drawings (super structure works)	Within 20 days from the date of Award of Work

- b) Package-II : HVAC Design and Detailing Works upto tender stage

Sr. No.	Design Stage	Time of Completion
1.	Preparation of Design & Detailing and Submission of Tender (complete with tender drawings, specification, bill of quantities and cost estimates etc.)	Within 20 days from the date of Award of Work

16.0 Liquidated Damages for Delay in Completion :

Penalty shall be levied upon the agency in case of delay in fulfilling the obligations under this agreement for causes solely attributable to the agency at 1% (one percent) of the contract fee per week of delay subject to a maximum of 5% of the total contract fee.

For computing the penalty amount, the period of delay on the part of the consultant shall be worked out by HSCC going strictly by the time schedule mentioned in this contract. The agency shall be liable to pay this compensation to HSCC.

However, no penalty shall be levied in case the delay is on account of force majeure or release of design inputs to the agency from HSCC. In such case the time schedule shall be reworked and a suitable extension of time shall be granted for work completion. No extra price shall be payable by HSCC to the agency for the delayed or extended period.

17.0 Payment Terms :

For the purpose of stage payments to the agency, the following breakups shall be followed :

a) Package-I : Civil / Structural Design & Detailing Works for Working Stage

Sr. No.	Design / Drawing Stage	Payable Price (In % of Total Fees)
1.	Preparation and submission of data sheets/design calculations and working drawings and acceptance by HSCC	70%
2.	Submission of soft copy of all drawings, design calculations and other relevant data in soft copy on CD and acceptance by HSCC	30%

b. Package-II : HVAC Design, Detailing and Preparation of Drawings up to Tender Stage.

Sr. No.	Design / Drawing Stage	Payable Price (In % of Total Fees)
1.	Preparation and submission of design concept report & approval of the same by HSCC	5 %
2.	Preparation and submission of data sheets/design calculations and tender drawings and acceptance by HSCC	35%
3.	Preparation and submission of complete technical specifications and BOQ with detailed take off sheets and acceptance by HSCC	30%

4.	Preparation and submission of cost estimates along with market rate analysis with supporting documents and acceptance by HSCC	15%
5.	Submission of soft copy of all drawings, design calculations, specifications, BOQ and other relevant data in soft copy on CD and acceptance by HSCC	15%

18.0 Security Deposit :

A security deposit of 10% of running bills subject to a maximum of 5% of total order value will be retained. This shall be payable after three months of successful completion of design and detailing works by the agency.

SECTION-IV : BILL OF QUANTITY

A. Package-I : Civil / Structural Design & Detailing Works for Working Stage

Item No.	Description	Unit	Qty.	Unit Rate (Rs. In Figures)	Unit Rate (Rs. In words)	Amount
1.0	Design and Detailing work including preparation of Drawings for Civil / Structural Works complete as per the scope of work	Each Drawing	175			
TOTAL (In Ruppes)						

(Seal & Signature of Bidder)

SECTION-IV : BILL OF QUANTITY

B. Package-II : HVAC Design, Detailing and Preparation of Drawings up to Tender Stage.

Item No.	Description	Unit	Qty.	Unit Rate (Rs. In Figures)	Unit Rate (Rs. In words)	Amount
1.0	Design and Detailing including preparation of Drawings, technical specifications, BOQ, cost estimates for HVAC Works complete as per the scope of work	Lump Sum	1			
TOTAL (In Ruppes)						

(Seal & Signature of Bidder)