

## ***HSCC (INDIA) LIMITED***

(A Govt of India Enterprise)

**E-6 (A) , Sector 1, NOIDA -201301 (U.P)**

**Tender Notice Dt. : 09.02.2012**

Tenders in sealed envelope are invited from reputed structural design consultants for structural design of the projects related to Civil construction works. Estimated area of the building to be designed immediately is 20,000 Sqm (approx.) upto G+9 including basements for residential/ institutional buildings. Completion period: One month. For details please refer HSCC website **[www.hsccltd.co.in](http://www.hsccltd.co.in)** Complete tenders in sealed envelope is due for submission at above address latest by **21<sup>st</sup> February, 2012 upto 15:00 hrs.**

**DGM (C)**

**TENDER FOR  
APPOINTMENT OF DESIGN CONSULTANT FOR CIVIL  
STRUCTURE WORK FOR PROJECTS UNDER  
HSCC (I) LTD.**

*February' 2012*

**Conditions of Contract**

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**Client/Consultant: HSCC (I) Ltd. E-6(A), Sector-1, NOIDA, U.P.-201301**  
**(A Govt. of India Enterprise)**  
**Tel: (0120) 2542436, 2542437, 2542439**  
**Fax: (0120) 2542447**  
**Web Site: [www.hsccltd.co.in](http://www.hsccltd.co.in)**

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## Tender for Appointment of Design Consultant

Offers are hereby invited by HSCC (as per Pre Qualifying Criteria) for appointment of Design Consultants. The agency shall carry out the Design & Drawing work as mentioned in Scope of Work for the above project as per enclosed scope of work, general terms and conditions, time period and mode of payments etc.

**The offer shall be submitted in sealed covers marked “Tender for Appointment of Design Consultant for HSCC (I) Limited (A Govt. of India Enterprise)**

### ENVELOPE MARKED NO.1

Shall contain cost of tender of Rs.1000/- (non-refundable) if tender document download from HSCC website and an Earnest money of Rs. 14,000/- (refundable) in the form of either demand draft or pay order in favour of HSCC (India) Ltd, payable at New Delhi/ Noida to be submitted along with.

### ENVELOPE MARKED NO. 2

Shall contain all documents except price bid with the tender duly signed, stamped and filled.

### ENVELOPE MARKED NO. 3

Shall contain only price bid with the tender duly signed, stamped and filled.

The tenders shall be opened in the presence of the representatives of the bidders on intimated dates or after half an hour from the prescribed date & time of submission at the following address:

**HSCC (India) Ltd.  
E - 6(A), Sector -1, NOIDA, Uttar Pradesh.  
Pin- 201301.**

Offers not complete in all respects and/or received without the cost of tender, earnest money, and conditional or not in accordance with our terms and conditions, will be summarily rejected. The decision of HSCC shall be final and binding in this regard. HSCC reserves the right to accept or reject any or all quotations without assigning any reason thereof and also take no responsibility for delay, loss or non-receipt of quotations sent by post either way.

Kindly note that offers shall be valid for one year from date of submission of your bid.

Thanking you.

Yours faithfully,

Dy. General Manager (C)

## PRE QUALIFYING CRITERIA

### **Following is the pre qualification criteria for the tenderers:**

Consultants/ agencies working for CPWD, Railways, MES, P & T Deptt., State PWD's, Semi govt./PSU's Organizations and Institutes or in reputed private Sector Firms who satisfy following criteria may participate :

1. Average Annual financial turnover during the last three years, ending 31st March of the previous financial year, should be at least Rs 14 lakhs..
2. Experience of having successfully completed 'similar works' during last seven years ending last day of month previous to the one in which applications are invited should be either of the following;
  - a) Two similar completed works costing (Design fee) not less than the amount equal to Rs. 5.00 lakhs for one project.
  - Or
  - b) One similar completed works costing (Design fee) not less than the amount equal to Rs. 7.00 lakhs for one project.

**'Similar works means:**

\*Similar works means experience of preparation of design & drawings of RCC framed building works completed in one month time.

- Documentary evidence in support of certification Turnover/Balance sheet details for the last 3 years are to be submitted.
3. The agency should have been in existence for at least 3 years carrying out this nature of work.
  4. All the design and drafting work is to be carried out by consultant in-house only.

All tenderers should submit the compliance with regard to above points.

## **ANNEXURE-1: SCOPE OF WORK**

The scope of work shall be as under.

### **A. Scope of work for Civil/Structural**

Structural design & drgs. shall cover the following scope & items of work.

1. Thorough study of the architectural drgs & input to the arch drgs considering the requirements of the structural system.
2. Commented and approved Architecture drawings from Architecture Deptt., HSCC to be taken up for starting the Structural work, a copy of the same to be submitted with the final Structure drawings.
3. All drawings of civil/structural shall be vetted by IIT, Delhi. However the fees payable to IIT shall be borne by **HSCC**. The consultant shall recruit his engineer from time to time as required for discussions/ coordination with IIT professors, incorporate their comments appropriately to their satisfaction & ensure to produce a design worthy of approval from IIT. Total responsibility in this regard shall be borne by the consultant.
4. Structure design Basis Report viz. the assumptions to be made in Structure analysis and Design, to be approved from HSCC before start of the work.
5. Structural System to be worked out in close co-ordination with HSCC and Architecture Deptt., HSCC and the same to be approved before start of Space Frame Analysis.
6. Similar coordination with other disciplines by way of study of their drawings critically & recording the constraints/ special requirements of the structural elements sizes/ cutouts/ inserts etc.
7. Conclusion on detailed framing plans, structural system for foundations & superstructure. The structural system has to be worked out so as to achieve a economical and safe design keeping in view the Serviceability requirements.
8. Loads- Complete description of Basic loads, member loads, Earthquake and wind loads including load combinations. This shall also include any special loads like equipment loads, dynamic loads etc. For water containing structures, hydraulic pressures to be considered appropriately.
9. STAAD analysis modeling the building as appropriate space frame(s) - The structural elements shall be accordingly sized to obtain the optimal designs based on the criteria as decided & approved by HSCC. Appropriate checks

for deflections of structure as well as the individual members so as to restrict the same within permissible codal limits. Only Space Frame modeled with Dynamic Input & Analysis will be considered.

10. Complete structural designs of all elements of sub & super structure. This shall include the designs of beams, columns, slabs, footings/ rafts - so that the design information can be readily converted into the detailed execution drgs. Each of the Structural drawings shall include a table showing the quantity of steel used bar dia wise on that particular drawing.
11. Detailed execution drgs. as well as any revisions their in arising out of site constraints or any other requirements like changes in the other discipline drgs.
12. Wherever the construction planning has to be specifically suited to certain design requirements, the sequence of construction shall also be identified appropriately.
13. **All responsibilities concerning with the stability of Structure, Structure drawings, compatibility with Architecture drawings, etc. lies with consultant Organization. A Structural Stability Certificate in line with HSCC's requirements/project requirement is also to be finished by the consultant.**
14. **Final approved drawings, in principle, from HSCC to be signed by two Structural Engineers of consultant Organization before forwarding the same to HSCC**
15. **All drawings are required to be vetted from IIT.**

*Relevant codes (latest), standards & the prevailing good engg. practices shall be followed in carrying out the above work. Details/References (of same) shall be furnished so as to facilitate the checking of design calculations etc.*

#### **B. Drafting aspects:**

- All drawings are to be made as per CAD standards adopted by HSCC based on the following:
  - a) Directory structure
  - b) File naming
  - c) Layer naming
  - d) Colour
  - e) Pen thickness
  - f) Text style & size

*The drawings may undergo minor/major revisions as per requirement of project/ Site condition /Client and the same shall be carried out by the consultant appropriately in the stipulated price. No extra claim will be admissible in this regard.*

**C. Sets for submission of drawings during Working Stage:**

Design Calculation	:	1 set + soft copy
Drawings	:	Maximum 2 check prints + soft copy



**Annexure –II**

**2.1 Payment Terms:** This ‘consultancy fee’ (as per order value) shall be payable as per milestones listed below.

S.No	Stage of work	% of Quoted Price as above payable at respective stage for 1(a) & (b)
1.	All detail drawings “good for construction” up to <b>plinth level</b> and to continue the work above plinth level including arrangement of column and beam reinforcement.	20 %
2.	All detail drawings “good for construction” up to <b>Second floor level</b> and to continue the work above first floor level including arrangement of column and beam reinforcement till third floor level.	20%
3.	All detail drawings “good for construction” from <b>Third floor level to terrace level including Mumty</b> including detail arrangement of column and beam reinforcement all complete.	30%
4.	Vetting all design & drawings from IIT	10%
5.	On successful completion in respect of all drawings issued “good for construction”	10%
6.	On Providing all site clarifications and completion of project	10%
7.	Total	100%

- The consultant shall submit maximum 2 to 3 running bills (each running bill to be raised after completing at least one or more of above milestones) & one final bill.

**2.2 Invoices:**

For all Stages the consultant shall raise three sets of invoices:

- Only after completion of the respective stages as listed in the table above.
- Billing break-up as above shall be strictly followed.
- No further splits of the prices shall be considered for billing purposes.

### **2.3. 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 06 month from the date of successful commissioning of the project.

### **ANNEXURE-III:TIME SCHEDULE & LIQUIDATED DAMAGES**

3.1. Completion time Schedule for the projects having area approx 20000 Sqm : Time being the essence of this contract, the consultant shall ensure strictly the completion schedule. This includes all the four stages as listed below

S.No	Stage of work	Total Time (in weeks) starting from the date of award of work
1.	All detail drawings "good for construction" up to <b>plinth level</b> including arrangement of column and beam reinforcement.	1
2.	All detail drawings "good for construction" up to <b>SECOND floor level</b> including arrangement of column and beam reinforcement till THIRD floor level.	2
3.	All detail drawings "good for construction" from <b>Third floor level to terrace including Mumty</b> including arrangement of column and beam reinforcement all complete.	3
4.	Vetting all design & drawings from IIT	4
5.	Total time schedule	4

**Similar Time scheduled shall be applicable for all other priority projects. However, these may be rescheduled as per requirement with mutual consent.**

#### **3.2. LD for delay in completion:**

- LD shall be levied upon the consultant in case of delay in fulfilling the obligations under this agreement for causes solely attributable to the agency at 1% (one percent only) of the contract fee per week of delay subject to a maximum of 5% of the total contract fee.
- For computing the LD 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 order. The agency shall be liable to pay this compensation to HSCC.

- However, no LD shall be levied in case the delay is on account of release of design input to the consultant from HSCC side. In such cases the time schedule shall be reworked & a suitable extension of in time granted for work completion. **NO EXTRA PRICE SHALL BE PAYABLE BY HSCC TO THE CONSULTANT FOR THE DELAYED PERIOD.**

## **ANNEXURE- IV: GENERAL CONDITIONS OF CONTRACT**

### **Preamble**

HSCC is a turnkey consultant in the field of Medical Facilities. Due to capacity and time restraints, detailing of design and drawing work is often sublet to detailer agency as and when required. The General conditions of Contract are as under :-

#### **1. Delay And Extension:**

If the work is delayed by force majeure or any other cause which in the absolute discretion of the employer 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 endeavors 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 7 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. Arbitration:**

If at any time any doubt, question, dispute or difference whatsoever, shall arise between the agency and HSCC upon or in relating to or in connection with this contract, either of the parties may give the other notice in writing of the existence of such 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, later amendments, if, any. The decision of the sole arbitrator thereon shall be final, conclusive and binding upon the parties to dispute.

The party invoking 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. Jurisdiction Of Court:**

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

### **4. 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 sole judge for the same). The agency shall be paid for the 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 HSCC all the data, compiled report, drawings etc. prepared by them 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 cooperate 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. Breach Of Trust:**

Unless otherwise directed by HSCC specifically, the agency shall not contact directly or indirectly the client or any other authorities connected with the project. Non compliance of this clause shall be treated as breach of trust resulting in the termination of contract between HSCC and the agency forthwith without any prior notice to him. In such event, no job will be entrusted to him in future by HSCC.

### **6. Discussions With HSCC And Approvals:**

- **AVAILABILITY:** The agency shall make themselves available at reasonable notice to be present for discussion with HSCC. The agency shall also provide assistance, advice and information to HSCC as may be required from time to time

for discussions with other agencies or HSCC officials connected with the work without any extra claim.

- **WEEKLY MEETINGS:** The design detailer with his associates will regularly attend the HSCC office for weekly meetings on the date specified by HSCC till the completion of the design job in which the progress made in the works will be discussed and clarifications required if any will be given. All cost incidental to such interaction for meetings shall be to the detailer's account and no claim shall be entertained by HSCC on this account.
- **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 be deemed to absolve the agency of the total responsibility of the correctness and soundness of the work and other obligations under this contract.

#### **7. Guarantee And Liability Of The Agency:**

- **LIABILITY:** The Agency shall be liable for all consequence 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 project as a whole in all respects shall be deemed to be included in the scope as well as in the fee quoted by the detailer and no extra claim shall be admissible on this account.

#### **8. Ownership Of Documents & Copy Rights:**

- 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.
- 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. Changes or Alteration of Drawings/Designs/ Arrangement / Scheme Etc.**

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

#### **10. Correctness And Accuracy Of Data :**

The agency shall be full responsible for the correctness and accuracy of the 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 at no extra cost to HSCC take all steps necessary to remedy/rectify the said defects or inadequacies. The Detailer shall incorporate all the modification or changes as desired by the HSCC in the drawings, plans and reports, design etc. at no extra cost to HSCC.

#### **11. Safety Of Design:**

The agency shall be fully responsible for the safe designs as per national standards and requirements. In the absence of National Standards, the requirement would of International standard.

#### **12. Performance Guarantee:**

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

#### **13. Code Of Practice:**

The report, design and drawings for all works shall conform to local building bye-laws and other state regulation as well as to 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 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. Specific Conditions:**

- 1) Agency quoting for the above work shall have in-house professionals for all disciplines or alliance/JV with any other firm. Main architectural work to be done by main agency.
- 2) Agency quoting for the above should have his design office with sufficient professional staff who can take up the work efficiently.
- 3) Consultant shall make visits to site as and when required by HSCC subject to minimum 5 visits. The expenditure against this shall be included in consultancy fees quoted by consultant.
- 4) Consultant shall submit 3 check prints (one each at different stage as the drg is offered for HSCC comments) of each drawing and soft copies.
- 5) The quantities of steel reinforcement shall be submitted along with detailed drawings prepared by consultants.
- 6) The scope of work, building area, type & stories may vary up to any extent for other projects other than above, depending upon the capacity and performance of consultant up to any extent on mutual consent basis on the same rates terms & conditions as agreed by successful bidder for this project.
- 7) Any clarifications regarding design, drawing, detailing etc. at any point of time required by the site will have to be available within 24 hours of query asked.
- 8) A contact person to be made available/assigned for 24 hours to respond for any query. Detail of contact person to be given as under :
  1. Name of person:.....
  2. Designation:.....
  3. Contact no., Mobile no....., Tel. no.....
- 9) Any delay due to non response on drawings, details etc. will have to be compensated on your risk and cost

**Price Bid**

**ANNEXURE- II: Bill of Quantity & PAYMENT TERMS**

1. (a) **Price:** 'Total lump sum consultancy fee' shall be

Rs. \_\_\_\_\_ ( in words ) and

Rs. \_\_\_\_\_ ( in figures) inclusive of all taxes for Area approx 20000 Sqm

(b) **Price:** 'consultancy fee' **per sqm** shall be Rs.

Rs. \_\_\_\_\_ ( in words ) and

Rs. \_\_\_\_\_ ( in figures) inclusive of all taxes for other projects under HSCC (I) Ltd.

(Signature of the bidder)