

## **NOTICE INVITING TENDER**

HSCC (I) Ltd. invites sealed tenders from Empanelled Structural Consultants / firms for the following work.

**Name of work :** Tender for Structural Design & Drawing for Regional Institute of Medical Sciences , Imphal, Manipur.

Tender Document can be purchased from office of HSCC on written request on a payment of Rs. 500/- in the form of DD/Pay order/Cash in favour of HSCC (I) Ltd, Noida on any working day from 01.06.2009 to 12.06.2009 (10.00 AM to 4.00 PM) or may be downloaded from HSCC's Web site [www.hsccltd.co.in](http://www.hsccltd.co.in) and to be submitted along with tender document fee of Rs. 500/- in case down loaded from web site and EMD of Rs. 10000/- separately in the form of DD/Pay order in favour of HSCC(I) Ltd., Noida . Last date of submission of complete tender document is 15:00 hrs of 15.06-2009 in HSCC's office at Plot No. E - 6(A), Sector – I, Noida – 200301 (U.P.), Ph. 0120-2542477

**General Manager (Civil)**

# Tender

For

Preparation of Structural Design & Drawings

for the  
work of

“Construction of OPD, DENTAL WING & NURSING  
COLLEGE”

at

Regional Institute of Medical Sciences

at Imphal

Manipur -795004

Last Date of Submission – 15-06-2009

## **HSCC (India) Ltd.**

E-6 (A), Sector – 1,

Noida – 201 301

Tel No. 0120-2542436-40

Fax No. 0120-2542447

Web Site : [www.hsccltd.co.in](http://www.hsccltd.co.in)



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### Part- B - Price Bid

## Description of work and Instructions

Applications are hereby invited by HSCC from pre qualified Professional individual Consultants/ Agencies hereafter termed as Consultant. The Consultant(s) shall carry out the Structural Design & Drawing for Regional Institute of Medical Sciences , Imphal, Manipur as per enclosed Scope of work and conditions etc.

### Type of Works : For Structural Design & Drawings

S.No	Building	No.of storeyes	Total covered area( sq.met)
1	OPD	G+3	7082
2	DENTAL WING	G+3	8395
3	NURSING COLLEGE	G+1	4075

The details of areas are tentative and may undergo changes and the payment shall be restricted to the actual areas of the approved architectural drawings

### Instruction to Applicants :

1. Applications are invited from pre qualified Consultants for preparation of structural Design & Drawings for Regional Institute of Medical Sciences at Imphal, Manipur.
2. Decision of the HSCC, in this regard shall be final. HSCC is not bound to assign any reason thereof.
3. Application containing false and / or incomplete information are liable to be rejected.
4. HSCC reserves the right to enter into parallel rate contract(s) with one or more consultant(s) for these services.
5. Tender document can be obtained from HSCC (India) Ltd., Noida by depositing Rs. 500/- (Rupees five hundred only) non-refundable in the form of Demand Draft/ Pay order issued from any Nationalized Banks/Scheduled Banks in favour of HSCC (India) Ltd., payable at Noida or document can be down loaded from HSCC website [www.hsccltd.co.in](http://www.hsccltd.co.in). If the document is down loaded from website then the application shall be accompanied by requisite value of Demand Draft/Pay order described as above.
6. Earnest Money Deposit (EMD) is Rs. 10000/- (Rupees ten Thousand Only) in the form of Demand Draft / Pay order issued from any Nationalised Banks/Scheduled Banks in favour of HSCC (India) Ltd. payable at Noida.

- 7 The EMD of Selected consultant shall be retained with HSCC up to satisfactory completion of Civil work in all respects. No interest whatsoever shall be payable to consultant on EMD. The EMD of unsuccessful applicants shall be refunded within one month of finalization of tender.
- 8 Consultant quoting for the above work shall have in-house professionals.
- 9 All related drawings shall be provided by HSCC for preparation of structural designs.
- 10 Any clarifications regarding structural designs & drawings detailing etc. at any point of time, required by the site shall have to be made available within reasonable time (at the discretion of HSCC) after the query asked by HSCC.
- 11 Any delay due to non-response on the said works shall have to be compensated at consultant's risk and cost.
- 12 Prospective bidders are advised to regularly scan through HSCC website as corrigendum/ amendments etc. if any, will be notified on the company's website and separate advertisement will not be made for this.
- 13 HSCC shall reimburse a lump sum of Rs 30,000/ (including to and fro fare , local conveyance and Hotel charges etc., complete in all respects ) towards the cost of 2/3 days visit to RIMS Imphal for one Structural Consultant if site visit is required as per discretion of HSCC .
- 14 The rate quoted by the Consultant shall be firm & valid for the satisfactory completion of the work. HSCC may extend this period with the mutual consent.
- 15 Bid validity is 90 days from the date of opening of the tender.
- 16 A contact person shall be made available / assigned to respond for any query. Detail of contact person to be given as under :

Name of person \_\_\_\_\_

Designation \_\_\_\_\_

Address \_\_\_\_\_

Contact No. Mobile No. \_\_\_\_\_ Tele No. \_\_\_\_\_

Fax No. \_\_\_\_\_

Email address \_\_\_\_\_

**INSTRUCTION FOR SUBMISSION OF APPLICATION :**

ENVELOPE - 1

Shall Contain :

- Proof of purchase of document i.e. copy of receipt of Rs. 500/- (Rupees five hundred only)
- Tender Document duly stamped & signed. Shall contain all Annexure duly filled in, signed and stamped.
- Earnest Money Deposit of Rs. 10,000/- (Rupees ten Thousand Only) through Demand Draft/Pay order.

ENVELOPE - 2

Shall contain only Price bid duly signed, stamped and sealed in envelop no 2.  
All taxes including service tax should be included in the rates quoted by the bidder.

ENVELOPE - 3

Shall contain sealed Envelopes 1 and 2 and sealed. This envelop shall be superscripted with the Name of the work i.e **Tender for Structural Design & Drawing of Regional Institute of Medical Sciences at Imphal ,Manipur.**

This envelope should be delivered preferably by hand or by registered post / speed post / courier on or before the date and time of submission of offer and should be addressed to **Sh. V.V.Govinda Rao, General Manager, HSCC (India) Ltd., E - 6 (A), Sector – I, Noida – 201 301, Uttar Pradesh. Phone No. 0120-2542477, Fax No. 0120-2542447.**

**Note: Rate / Price shall not be given anywhere in envelop no.1 otherwise offer shall be rejected.**

Pre Bid meeting will be held on 08-06-2009 at 11.00 AM at HSCC (India) , E-6(A), Sector – 1 , Noida

The last date of submission of Application is 15th June - 2009 and time 3.00 P.M.

The envelop no. 1 shall be opened first on 15-06-09 at 3.30 PM in the presence of the representatives of the applicants, at the following address.

Mr. V.V.Govinda Rao, General Manager, HSCC (India) Ltd., E-6 (A), Sector-1, Noida, Uttar Pradesh - 201301.

Price bid of only those bidders shall be opened who qualify on opening of envelop no. 1, as per tender conditions. Price bid shall be opened on the same day i.e on 15-06-09.

**Disqualification :**

Offers not complete in all respects and/or received without the cost of documents, earnest money, and conditional or not in accordance with the terms and conditions and received after the last date and time 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 Applications without assigning any reason thereof and also take no responsibility for delay, loss or non-receipt of offer sent by post either way.

**SCOPE OF WORK**

**1. General Scope of Work**

**1.1. Tender stage & Working Stage Drawings and Designs calculations for Civil/Structural Elements (for hospitals, housing, laboratories and institution project.)**

The Consultant shall carry out Structural design / drawings work based on the Architectural drawings prepared by HSCC.

Consultant shall take into account HSCC architectural inputs (including general arrangement plan, sections, elevations and levels, details etc.) and their complete correlation with his drawings for concurrence & consistence.

**1.2 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

**1.3 Scope of work for Civil/Structural design drawing at Working stage**

Structural design & drawings shall cover the following work.

- a) Thorough study of the architectural drawings & input to the architectural drawings considering the requirements of the structural system.
- b) Approved Architectural drawings from Architecture Deptt., HSCC, shall be taken up for starting the Structural work. A copy of the same shall be submitted with the final Structural drawings.

- c) Structure Design Basis Report viz. the assumptions to be made in Structural Analysis and Design, shall be got approved from HSCC, before start of the work.
- d) Structural System shall be worked out in close co-ordination with and Architecture Deptt., HSCC; and the same shall be got approved before start of Space Frame Analysis.
- e) Similar coordination shall be made with other disciplines (Electrical, PHE), by way of study of their drawings critically & recording the constraints/ special requirements of the structural elements sizes/ cutouts/ inserts/sunken areas etc.
- f) Conclusion on detailed framing plans, structural system for foundations & superstructure. The structural system shall be worked out so as to achieve a economical and safe design keeping in view the serviceability requirements. Total responsibility in regard to safe and economical structure shall be borne by the Consultant.
- g) 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.
- h) 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 Frames, modeled with Dynamic Input & Analysis, will be considered.
- i) 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 in to the detailed execution drawings.
- j) Detailed execution drawings as well as any revisions their in arising out of site constraints or any other requirements like changes in the other discipline drawings. However, major changes shall not be acceptable.
- k) All responsibilities concerning with the stability of structure, Structural drawings, compatibility with Architectural drawings, etc. lies with consultant Organization. A Structural Stability Certificate, in line with HSCC's requirements/project requirement shall also be furnished by the consultant.
- l) Final approved drawings, in principle, from D&E, HSCC shall be signed by Structural Engineer of Consultant Organization before forwarding the same to D&E, HSCC. Relevant codes (latest), standards & the prevailing good engineering 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.

All drawings of Civil / Structural works shall be vetted by IIT / Govt. Engineering College / Institutes / HSCC as decided by HSCC. The vetting charges to IIT/Govt. Engineering College/ Institutes shall be borne by HSCC. The consultant shall depute his engineer from time to time, as required, for discussions/ coordination with IIT/ Govt. Engineering College/ Institutes

Professors/ HSCC Engineers , incorporate their comments appropriately to their satisfaction & ensure (to produce) a design worthy of approvals from vetting Institutes. Total responsibility, in this regard, shall be borne by the Consultant.

The Consultant along with concerned designer shall regularly attend the meetings on the date specified by HSCC, till the completion of the design job, without any extra charges.

**1.4 Sets for submission of drawings during Working Stage:**

Design Calculation	:	2 sets + soft copy
Drawings	:	2check prints + soft copy each time
Final drawings	:	2 sets + soft copy

## GENERAL CONDITIONS OF CONTRACT ( GCC )

### 1. Delay and Extension:

If the work is delayed by force majeure or any other cause which is beyond the consultant control, he shall, immediately upon the happening of such event contributing to delays; inform HSCC in writing 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 consultant in writing within 7 days of the happening of the event causing delay. The consultant 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, with regard to the extension, shall 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 what so ever, shall arise between the Consultant(s) 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 there on 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.

During the Arbitration, consultant shall continue to perform his obligations, unless specified by HSCC to stop the performance of obligations.

### 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 Consultant shall be paid for the useful work done up to the date of termination. HSCC shall determine the credit to be given to the consultant for the value of the work executed by the consultant. The Consultant shall give HSCC all the design calculations, drawings including all relevant documents 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 of recommendations in documents or detailing made by them.

#### 5 Breach of Trust

Unless otherwise directed by HSCC specifically, the Consultant 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 Consultant for with 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

The Consultant shall make themselves available at reasonable notice to be present for discussions with HSCC. The Consultant 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.

**MEETINGS:-**The consultant shall regularly attend the HSCC office and/or any other place mentioned in the notice for 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 costs incidental to such interaction for meetings shall be to the consultants account and no claim shall be entertained by HSCC on this account.

**APPROVAL OF WORK:-**The Consultant shall get approvals of the work done by him at every stage throughout the period from HSCC. However, such approvals by HSCC shall not be deemed to absolve the Consultant 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 Consultant shall be liable for all consequence of errors and omissions arising from errors solely attributable to Consultant 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 Consultant and no extra claim shall be admissible on this account.

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

The copyright of Calculation sheets, drawing etc. and other similar documents provided by the Consultant in connection with project/work shall remain vested in HSCC. All written material, originated and prepared for HSCC under the assigned agreement shall belong to HSCC.

The Consultant shall not publish without the written consent of employer or use for purpose other than those for this work, the articles, designs calculations and drawings

### **Changes or Alteration:-**

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 consultant under their scope of work within the fee already quoted and agreed upon.

### **Correctness and Accuracy of data:-**

The Consultant shall be fully responsible for the correctness and accuracy of the data. 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 consultant shall incorporate all the modifications or changes as desired by HSCC.

## 9. **Indemnity :**

The Consultant shall fully stand guarantee and indemnify the HSCC for designing done by them as also performance and detailing etc. of the works

## 10. Code of Practice

The report 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 etc. shall be submitted in English language and in metric/SI units.

## 11. Subletting

Subletting of the works is not permitted.

## 12. Payment Terms :

For Structural Design & drawings

S. No.	Stage of Work	% age of quoted price as above payable at respective stage of work. ( Building wise area to be taken)
1	Study of Arch. Drawings, Submission of Draft design calculations and its approval from HSCC.	15%
2	Submission of detailed Structural design calculations and Foundation, Plinth Beams and Column Schedule drawings and its approval by HSCC.	25%
2	Submission of detailed Structural design calculations and all Floor Slabs/Terrace Slab and Beam drawings, Staircases , Lift M/c room, Mumty. Water tanks etc (complete details) and its approval by HSCC.	35%
3	On vetting of the above by IIT/ Some Govt. Agency / By some Govt. Institute of repute./HSCC	15%
4	Three months after the award of Work to the Contractor	5%
5	Completion of all Civil /Structural works in all respects to the satisfaction of HSCC	5%
	Total	100%

The consultant shall submit running bills stage wise and one final bill. Bill format shall be got approved by consultant from HSCC.

### 13. Security deposit:

A security deposit of 6 % of the running bills subject to a maximum of 5% of total order value will be retained. This shall be payable after six months from the date of successful completion of Civil work.

### 14. Time Schedule :

The agency shall submit first Draft design calculations in 15 days or as per the time schedule mentioned in the award letter. Further all detailed drawings of Foundation, Column Schedule and Plinth Beam Drawings shall be completed in next two weeks. Total Completion period is One and half months for Structural Design & Drawings from the date of issue of award letter. Additional time period of two weeks shall be given for vetting of structural designs and drawings.

### 15. 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 consultant at 1% (one percent only) of the contract fee per week of delay subject to a maximum of 10% 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 force majeure or 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 work completion. No extra price shall be payable by HSCC to the consultant for the delayed period.

#### Note:

The Consultant will give under taking that all designs shall be prepared and furnished to suit the particular local conditions of the site in the most economical manner and at any stage during the progress of execution of the work, if any defect is noticed in the design and drawing, the Consultant shall provide free of cost to HSCC fresh design / drawings and other documents within a period of 7 days from the date of notice issued by HSCC in this regard. The Consultant shall also indemnify the HSCC against any damage / loss / delay suffered by the HSCC due to such defective designs, drawings and other documents supplied by the Consultant subject to a maximum of the 10% of the consultancy fee.

## Annexure-1

### UNDERTAKING

I / We have read and understood the instructions and the terms and conditions contained In the Tender document. I/We do hereby declare that the information furnished in application and in the supplementary formats is correct of my/our knowledge and belief.

Signature of Applicant

Name(in Block letter)

Complete Postal Address:  
& Contact Number

Place:

Date:

Seal of Office

I/We have read the various items and conditions and the same are acceptable to me/us

Date:

Place:

Signature of the Consultant

Full Address:

Office Seal

## PRICE BID – PART B

**Name of work : Preparation of Structural Design & Drawings for the work of  
Construction of OPD, DENTAL WING & NURSING COLLEGE  
for Regional Institute of Medical Sciences at Imphal , Manipur**

S.No	Description of Item	Unit	Qty.	Rate in figures (in Rs) including all taxes	Rate in Words ( in Rs)	Amount (in Rs)
1	Preparation of Structural Design & Drawings complete as per description given in Scope of Work	Per Sq.met. of Covered area	19552			

Note : Covered area may vary.

Payment shall be made as per actual quantity of work done.

Rates quoted above are firm for this work.

Date :

( Signature of Consultant with seal)