



UPGRADATION OF MEDICAL COLLEGE AT KOLKATA
(Under PMSSY)

**TENDER FOR
APPOINTMENT OF DESIGN CONSULTANT FOR
CIVIL/STR., WORK**

December, 2008

Consultant: HSCC (I) Ltd. E-6(A), Sector-1, NOIDA, U.P.-201301

Tel: (0120) 2542436, 2542437, 2542439

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Name of Work: Designing of Super Specialty Block for Kolkata Medical College under PMSSY

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Tender for Appointment of Design Consultant for Upgradation of Medical College at Kolkata (SuperSpecialty Block) under PMSSY

Offers* are hereby invited by HSCC (owner) from competent (as per Pre Qualifying Criteria) 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 one sealed cover marked Envelope-1 containing another three envelopes marked Envelope 2, Envelope 3 & Envelope-4 as described below. Further, all sealed envelopes to carry respective stickers (in A-4 size with font letter size of 16) on its top (see Annexure V):

ENVELOPE MARKED NO.1 Shall contain three another envelopes marked Envelope-2 Envelope-3 & Envelope-4

ENVELOPE MARKED NO.2 Shall contain cost of tender of Rs.500/- (non-refundable) and an Earnest money of Rs. 5,000/- (refundable) in the form of either demand draft or pay order in favour of HSCC (India) Ltd, payable at New Delhi.

ENVELOPE MARKED NO. 3 Shall contain Pre Qualifying Criteria duly signed, in the form of Table A and supported by requisite documents (**shall be opened** only if Cost of tender & EMD is enclosed in Envelope marked -2)

ENVELOPE MARKED NO. 4 Shall contain all documents supplied with the tender duly signed and filled along with the Price Bid. (This envelope **shall only be opened** if all the Pre Qualifying criteria are fulfilled) The tenderers qualifying in the PQ shall be informed in writing & they can make themselves available on the day of Price Bid Opening.

The last date of submission of tender is, December 23, 2008 up to 1500 Hrs in the **Special Tender Box provided at Ground Floor of HSCC Building . from 0900 Hrs of December 23, 2008 to 1500 Hrs of December 23, 2008. No other method of depositing of Tender shall be acceptable by HSCC .**

The tenders shall be opened in the presence of the representatives of the bidders who wish to participate in tender opening

- **Envelope Marked No.1, 2 & 3** to be opened at 1530 Hrs on same day i.e. December 23, 2008 in the Corporate Office of HSCC (I) Ltd.
- **Envelope Marked No.4** to be opened. at 1530 Hrs on December 23, 2008 in the Corporate office of HSCC (I) Ltd.



**Address of Corporate Office:
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 three months from date of submission of your bid.

Thanking you.

Yours faithfully,

-----sd-----

Monisha Tankha

SM(Civil)

Following is the pre qualification criteria for the tenderers:

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

TABLE-A FOR PRE QUALIFYING CRITERIA

S.N	PQ Criteria	Remarks (tick the correct one)	Supported Documents in the form of -
1	Average Annual financial turnover during the last three years, ending 31st March of the previous financial year, should be at least 30% of the estimated cost of the work.	Provided/Not Provided	Copies certified by Chartered Accountant
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) Three similar completed works consisting not less than the amount equal to 40% of the estimated cost. Or (b) Two similar completed works consisting not less than the amount equal to 50% of the estimated cost. Or (c) One similar completed works consisting not less than the amount equal to 80% of the estimated cost.	Provided/Not Provided Provided/Not Provided Provided/Not Provided	Self Attested Copies on single paper given by Client which certifies that - Type of Work (like whether Hospital, Residential, Institutional , etc) - Successful completion - Date of start & end of Work - Consultancy Fees in form of Rupees
3	Turnover/Balance sheet details for the last 3 years are to be submitted.	Provided/Not Provided	Copies certified by Chartered Accountant
4	Certificate stating that the agency should have been in existence for at least 3 years carrying out this nature of work.	Provided/Not Provided	Affidavit to be given on Non Judicial Stamp Paper of Rs10/-
5	Certificate stating all the Civil/ structural work shall be handled inhouse & the	Provided/Not	Affidavit to be given

	Office must be located in Delhi/NCR where this work would be carried out.	Provided	on Non Judicial Stamp Paper of Rs10/-
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* *The estimated cost of the work is Rs. 9 Lakh (Rupees Nine Lakh only)*

* Similar works here means Consultancies engaged in providing consultancy services in the field of Civil/Structure of Hospitals/ Laboratories, Hotels, Industrial or Institutional Buildings, as per particulars mentioned in Scope of work.

ANNEXURE-I: SCOPE OF WORK

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The scope of work in this enquiry is as under

- Working Stage drawings of Civil/ Structure only.

General Scope of Work

- Retrofitting and design of existing OPD block where further stories have to be added.
- Preparation of detail bill of quantity including take off sheets and tender drawings.
- Study of HSCC architectural inputs (including general arrangement plan, sections, elevations and levels, details) and their complete correlation with consultants' drawings for concurrence & consistence.

Super Specialty Block

S.No.	Discipline	No. of Drawings
1	Civil/Structure	

Area and No. of Floors

S.No	No. of Floors	Area m ²
1	Basement floor plan	1178.52
2	Ground floor plan	2513.35
3	First floor plan	2319.87
4	Second floor plan	2224.47
5	Third floor plan	2224.47
6	Fourth floor plan	2117.59
7	Fifth floor plan	2015.89
8	Sixth floor plan	1953.67
9	Seventh floor plan	1953.67
10	Eight floor plan	1032.41
11	Ninth floor plan	1032.41
12	Terrace floor plan	161.75
	TOTAL	20763.07

* Variation in area upto $\pm 50\%$ of total area to be done on same rates as quoted.

The drawings may undergo minor/major revisions as per requirement of project/ Site condition /Customer and the same shall be carried out by the consultant for all disciplines appropriately in the stipulated price.

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

Working Stage - Scope of Work

For the building listed in the project scope, the working drawings are to be prepared. It is to be clearly understood that the number of drawings can not be limited to any fixed number for the detailed/ execution stage & the appropriate number of drawings shall have to be made as per project requirements & following good engineering practices.

- This shall include preparation of detailed working drawings, getting comments from HSCC & finalization of the drawings on the basis of the comments.

1. Scope of work for Civil/Structural

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

1. Thorough study of the architectural drawings & input to the architecture drawings considering the requirements of the structural system.
2. 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/ Roorkee. 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 D&E, HSCC before start of the work.
5. Structural System to be worked out in close co-ordination with D&E and Architecture Deptt., HSCC and the same to be approved before start of Space Frame Analysis.
6. Similar coordination with other disciplines (Electrical, HVAC, PHE) 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 an 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 and quantity of RCC used on that particular drawing. A separate sheet shall be submitted to keep track of the various major items qtys as the drawings progress floorwise i.e., the items of RCC, steel, shuttering, brickwork, flooring (category-wise), external finish quantities used to be submitted periodically.
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 D&E, HSCC to be signed by two Structural Engineers of consultant Organization before forwarding the same to D&E, HSCC**
15. **Approval & clearance from D & E / HSCC shall be obtained for all the designs & drgs.**

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.

Sets for submission of drawings during Working stage:

Design Calculation	:	1 set + soft copy
Drawings	:	Maximum 3 check prints+ soft copy

ANNEXURE- II: PRICE & PAYMENT TERMS

ANNEXURE- II: PRICE & PAYMENT TERMS

1. ***Price:** 'Total lump sum consultancy fee' shall be Rs. _____ (In words -----) inclusive of all taxes @ Rs _____ per sqm for all floors including foundation.

S.No	Scope of work	Stages of billing		Total (INR)
1	Civil work BOQ and Tender Drawings	(A) Draft BOQ (B) Final after incorporating suggestions of HSCC along with tender	10% 25%	
2	Working Stage Design and Drawings	(A) Upto foundation plinth level including retrofitting if any (B) Upto 5 th floor level (C) All floors including mumty, lift room, water tank details etc.	50% 75% 90%	
3	Balance after final submission of both 1 & 2 above		10%	

* The rates will be valid for quantity variation upto $\pm 50\%$ of total area.

2. **Payment Terms:** This 'Total lump sum consultancy fee' (as per order value) shall be payable only after all milestones at respective A and B have been completed to the satisfaction of HSCC.
- The consultant shall submit maximum 6 running bills (each running bill to be raised after completing at least one of above of A or B & one final bill).

3. 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.

4. 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 3 years of date of order OR successful commissioning of the project whichever is later.

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

ANNEXURE-III:TIME SCHEDULE & LIQUIDATED DAMAGES

1. Completion time Schedule: Time being the essence of this contract, the consultant shall ensure strictly the completion schedule.

S.No.	Stage of work	Total Time (in weeks) starting from the date of award of work
1.	Structural Analysis and member sizes of existing and new buildings.	Upto 2 weeks
2	Foundations including retrofitting if any of existing building.	Upto 3 weeks
3	Framing plans of floors	Upto 4 weeks
4	Slab/ beams details	Upto 6 weeks
5	Balance/ Miscellaneous	Upto 8 weeks

The agency shall submit all tender drawings and BOQ within 03 weeks from the award of work, so that tendering can be completed.

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.**
- a) 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.

ANNEXURE- IV: GENERAL CONDITIONS OF CONTRACT

ANNEXURE- IV: GENERAL CONDITIONS OF CONTRACT & SPECIAL CONDITIONS OF CONTRACT

Preamble

M/s Hospital Services Consultancy Corporation (India) Limited i.e.. 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. General 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 in Delhi/NCR 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 maximum 5 visits. The expenditure against this shall be included in consultancy fees quoted by consultant. However, if more visits are required the expenditure shall be borne by HSCC as per terms and conditions of HSCC.
- 4) Consultant shall submit 3 check prints of each drawing and soft copies. The final prints shall be plotted by HSCC as per requirement.
- 5) The quantities of R.C.C., steel reinforcement, brick work, flooring item and external cladding/finishing shall be submitted along with detailed drawings prepared by consultants.
- 6) The Draft B.O.Q. as already prepared by HSCC which is readily available for reference only. These items should be kept in mind while preparing the B.O.Q. The consultant shall from time to time cross check to examine that the actual quantities computed from his drgs do not exceed the BoQ quantities by more than 5%, particularly for various important items (value-wise) of work.

Special Conditions-

- HSCC reserves the right to award the work or to reject all assigning no reasons thereof.
- HSCC reserves the right to award the work in full or part or increase the scope of work

ANNEXURE-V (STICKERS)

ENVELOPE-1

TENDER FOR
APPOINTMENT OF DESIGN CONSULTANT FOR CIVIL/STR.
WORK

TO,
Monisha Tankha
Senior Manager(Civil)
HSCC (INDIA) LIMITED,
E-6 A, SECTOR-1,
NOIDA-201301

FROM
Tenderer to write his
complete address here

ENVELOPE-2

TENDER FOR
APPOINTMENT OF DESIGN CONSULTANT FOR CIVIL/STR.,

COST OF TENDER AND EMD

FROM:
*Tenderer to write his
complete address here*

ENVELOPE-3

**TENDER FOR
APPOINTMENT OF DESIGN CONSULTANT FOR CIVIL/STR.
WORK**

PRE QUALIFYING DOCUMENTS

FROM:
*Tenderer to write his
complete address here*

ENVELOPE-4

**TENDER FOR
APPOINTMENT OF DESIGN CONSULTANT FOR CIVIL/STR.,
WORK**

TENDER DOCUMENTS & PRICE BID

FROM:
*Tenderer to write his
complete address here*

