

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
ANSARI NAGAR, NEW DELHI**

**TENDER FOR
OPTICAL SURVEY (TOPOGRAPHICAL SURVEY) WORK
FOR PREPARATION OF AIIMS CAMPUS MASTER PLAN
(PACKAGE I)**

December, 2008

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

Tel: (0120) 2542436, 2542437, 2542439

Fax: (0120) 2542447

Web Site: www.hsccltd.co.in

Name of Work:
Optical Survey/Topographical work

CONTENTS:

S. No.	DESCRIPTION	Page No.
1	Contents	1
2	Instructions	4
3	Brief Description of Project	6
4	Pre qualifying Criteria	6
5	Scope of Work	7
6	General Conditions of Contract	10
7	Completion Time and Mode of Payment	14

NOTICE INVITING TENDER

HSCC (I) Ltd. invites sealed tenders from specialized agencies for following work at All India Institute of Medical Sciences, Ansari Nagaar, New Delhi.

1. Package I: Tender for optical survey
2. Package II : Tender for As built drawings

Tender Document can be purchased from office of HSCC on written request on a payment of Rs. 500/- for each package in the form of DD/Pay order/Cash in favour of HSCC (I) Ltd, Noida on any working day from 12.12.2008 to 22.12.2008 (10.00 AM to 4.00 PM) or may be downloaded from HSCC's Web site www.hsccitd.co.in and to be submitted alongwith tender document fee of Rs. 500/- in case down loaded from web site and bid security of Rs. 5000/- for each package 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 23.12.2008 in HSCC's office at Plot No. E - 6(A), Sector – I, Noida – 200301 (U.P.)

Dy. Manager (Civil)

**Tender for Optical Survey (Topographical Survey)
Works at “ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS), ANSARI
NAGAR, New Delhi.”**

INSTRUCTIONS

Offers are hereby invited by HSCC from competent specialized optical Survey agencies. The agency shall carry out the Optical survey for the above site 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 Optical Survey, at “ALL INDIA INSTITUTE OF MEDICAL SCIENCES, New Delhi.”** as detailed below: -

ENVELOPE MARKED NO.1

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 Noida.

ENVELOPE MARKED NO. 2

Shall contain all documents except “Price bid” supplied with the tender duly signed and filled.

ENVELOPE MARKED NO. 3

Shall contain price bid only duly signed and filled rates in words and figures.

All above three envelopes shall be sealed into fourth envelop where name of work and name of firm submitting the tender and last date of submission of tender to be mentioned.

The last date of submission of tender is 23.12.2008 up to 1500 Hrs. The tenders shall be opened in the presence of the representatives of the bidders who wish to participate in tender opening at 1530 Hrs on same day i.e. 23.12.2008 in the office of HSCC (I) Ltd. 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 three months from date of submission of your bid.

Thanking you.

Yours faithfully,

-----sd-----

(A.KSinha)
Dy. Manager (Civil)

* as per Pre Qualifying Criteria

Brief Description of Project:

Master plan of the entire AIIMS institute campus is to be prepared and accordingly “Tender for Optical Survey, at “ALL INDIA INSTITUTE OF MEDICAL SCIENCES, New Delhi.” has been invited.

Project Site: Project site is located at ALL INDIA INSTITUTE OF MEDICAL SCIENCES campus at Ansari Nagar and Masjid Moth , New Delhi.

Pre Qualifying Criteria

Following is the pre qualification criteria for the tenderers:

Contractors working with CPWD, Railways, MES, P & T Deptt., State PWD's, Semi govt. Organizations, CPSU's and Institutes or in reputed private Sector Firms who have:

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 quoted amount i.e 2005-06, 2006-07, 2007-08.
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 quoted amount.
or
 - b) Two similar completed works consisting not less than the amount equal to 50% of the quoted amount.
or
 - c) One similar completed works consisting not less than the amount equal to 80% of the quoted amount.
3. Similar works here mean works mentioned in “Scope of Work”.

All tenderers should submit the proof of works executed as above & “Satisfactory Performance Certificates from clients”. Absence of submitting the same along with the tender may disqualify the tenderer.

SCOPE OF WORK

OPTICAL SURVEY & COLLECTION OF FIELD DATA AND REPORT SUBMISSION

The Scope of work is detailed as under: -

1. **Carrying out optical survey (Topographical survey) and to locate all existing building in the AIIMS campus for preparation of master plan of AIIMS campus.**
2. Establishment and construction of 2 nos. bench mark/grid pillars & providing fencing around them including all labour and materials for excavation, foundation, brick work and concreting work and 12 mm thick M.S. plate of size 200 mm x 200 mm with 500 mm long M.S. flat 40 mm x 3 mm, 2 nos. welded with each plate grouting and marking centre points etc.). The reduced level with respect to M.S.L. shall be engraved on each plate of the bench mark pillars as well as corresponding reference be given on the Survey Plan. The drawing for the construction of Bench Mark is attached along with it and same to be used for the construction of Bench Mark.
3. To locate on the survey plan in A1/A0 sheet to the scale of 1:200 with all permanent & temporary structures along with existing storm, sewer & water line, roads, power (HT & LT) & telecommunication lines/poles, Fire pipe line, trees of various girths, roads, water supply, sewer, drainage line and also any other important features etc. adjacent and within the total area of plot, if any.
5. Following field data shall be collected and supplied by the agency: -
 - a) Direction of North.
6. Details about Sewer and storm water drain / nallah passing through/near the complex indicating the following details:-
 - i) Location and alignment of drain / nallah
7. Location of the road near the site indicating its layout with reference to site.
8. Details of Municipal/Public sewer line:

- i) Location and alignment of the existing sewer lines, water lines and electric cables running in and around the project site.
 - ii) Location of manholes of sewer line running around/near the project site.
9. Details of the existing boundary wall, temporary and permanent structures, if any, inside the site including the following shall be collected and supplied: -
 - i) Length, width and height, and no of stories of each building
 - ii) Location of existing trees (along with height and girth of the trees) and other permanent/ temporary structures.
 - iii) Electric overhead lines (LT/ HT), telephone lines.
 - iv) The agency shall submit colored photographs (about 25) showing the major features of the site and its surroundings.
10. All survey, grid levels shall be done by Total Station and plan shall be prepared on computer through digitization process and the soft copy shall be provided for the same immediately.

On completion of all fieldwork, collection of pertinent field data and preparation of drawings the agency shall submit a formal draft report containing all the information/field observations and drawings, in triplicate for review of Supervising Agency. Thereafter the agency shall visit to Supervising Agency's office for detail discussions on Supervising Agency's comments if any. After discussion with the Supervising Agency, the agency shall incorporate the agreed modifications in the draft report at their own cost and submit six copies of the detailed final report (plastic coated with spiral binding) and 6 sets of drawings (the drawings shall bear the logo of HSCC and the format of the same can be obtained from HSCC) along with a set of reproducible drawings and related floppy diskette/ CD. The agency shall also submit along with report a copy of field book in original or an authenticated copy of the same duly certified by Engineer.
11. Description and photos of general surrounding and plot and of the team while carrying out the work awarded.
12. Tenderer should visit the site before quoting the rates.

General Conditions of Contract

The General Conditions of Contract are as under.

1.0 Security Deposit

Security deposit at the rate of 5% of the amount of each running bill shall be retained and the same shall be released after six months of the successful completion of the work at site. However no interest shall be payable to the Agency for the amount of security deposit for the period retained by HSCC.

1.1 Delay and extension

If the work is delayed by force majeure or any other cause in the absolute discretion of 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 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 seven days of the happening of the event causing delay. The survey 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 or group of items of work for which separate period of completion is 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 extension granted by HSCC.

1.2 Compensation payable for delay in completion and risk prejudice clause

The Agency shall be liable to pay compensation to HSCC in case of delay in fulfilling obligation under this agreement for causes solely attributable to the survey Agency at 1% (One percent) of contract amount per week of delay subject to maximum of 5% (five percent only) of the total contract price towards their contract.

1.3 Risk Prejudice Clause

In case progress of any part of Agency's work is found to be unsatisfactory by HSCC at any time during the execution vis-a-vis, the terms of contract, HSCC shall give the Agency a fortnight's notice in writing asking for their plans for remedying the situation and to complete the job within the time mutually agreed, subject however to the conditions that the entire work falling within their scope of work shall be completed within the stipulated time. On the failure to remedy the situation as per agreed time with HSCC, HSCC shall have the right to withhold that portion of the work and get the same done at the risk and cost of the Agency after giving one weeks notice.

1.4 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 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. 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.

1.5 Jurisdiction of Court

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

1.6 Termination of Contract

HSCC reserves the right to terminate, or postpone the work on account of unfulfillment of contractual obligation(s) or any sufficient cause, HSCC being sole judge of the same. The Agency shall be paid for the useful work done upto the date of termination. HSCC shall determine the credit to be given to the detailer 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.

1.7 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 for with without any prior notice to him. In such event, no job will be entrusted to him in future by HSCC.

1.8 Discussions with HSCC and Approvals

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 to HSCC as may be required from time to time for discussions with other agencies or HSCC officials connected with the 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.

1.9 Guarantee and liability of the Agency

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.

2.0 Periodical Progress Report

The Agency shall prepare and submit periodical progress reports and status of works being performed by them. Such submissions of reports and review and approvals, if any, thereof by HSCC shall not be deemed to absolve the responsibilities of the Detailer for timely completion of the assignment.

2.1 Unit Rates

The Lump sum / Unit rates quoted shall remain firm throughout the validity of the contract. The rate shall include cost of materials, labor, tools and equipments, transport charges, taxes, royalties, octroi, service tax etc. payable on all transactions for the due performance of work under this contract. The rates shall be given in the schedule, as specified herein before. No escalation shall be paid on whatever account it may be.

2.2 Variation in scope of work and schedule of quantity

The scope of work & schedule of quantities may vary to any extent. The rates quoted by the Agency shall remain firm for the complete job as directed by the Engineer.

2.3 Mobilization advance

No Mobilization advance shall be paid.

2.4 Income tax

Income tax shall be deducted from Agency's bill as per rules.

2.4 Only computerized output

The Agency shall prepare a CD of the complete work assigned to them including drawings, report work, data, and other documents & the same shall be submitted to HSCC after completion of job. All drawings shall be on AUTOCAD and in A1 & A4 sizes only.

2.5 Water for construction purposes

The Agency shall make his/ their own arrangements for unfiltered water required for the work and nothing will be paid for the same.

2.6 Power

The Agency shall make his own arrangements for obtaining electrical connections if required and make necessary payments directly to the departments concerned.

COMPLETION TIME SCHEDULE AND MODE OF PAYMENT

Completion Time

Total time period for completion of job will be as per following from the date of issue of letter of award. The work is to be done in phases in order of priority as given below:-

Table-A

S.N.	Particulars (a)	Completion Time	Submission of Draft Report (b)	Submission of Final Report (c)
1.	Optical Survey(as per Scope of Work)	4 weeks from date of award of work	6 weeks from date of award of work	1 week from the date of receipt of comments on Draft report from HSCC

MODE OF PAYMENT

Table-B

S.No.	Stage of Work	Percentage of Total fees payable
1.	For submission of draft Reports of all items from S.N. 1 to 3 in Table –A	30
2.	For submission of final Reports of all items after receiving approval from HSCC including all drawings and technical report including photographs, basic calculation sheets, complete in all respects, in a CD.	40
3.	On acceptance of report by HSCC	30

Price Bid for Optical survey atr ALL INDIA INSTIUTE OF MEDICAL SCIENCES, Ansari Nagar, New Delhi.

BILL OF QUANTITY						
OPTICAL SURVEY (TOPOGRAPHICAL SURVEY)						
S.No.	Description of Item	Unit	Qty.	Rates	Amount (in Figures) in Rs.	Amount (in Words)(in Rs.)
1	Optcal Survey (Topographical), Collection of field data and report submission Site optical survey for preparation of Master plan and collection of field datas as per defined work in scope of work with total station except surveying, locating and plotting the services i.e. existing sewer lines with manholes, water supply lines and electric cables. Submission of complete report to the satisfaction and acceptance of HSCC	sqm.	450000			
2	Survey for locating and plotting the following services as per scope of work.					
(a)	Existing sewer line & Manholes	sqm	450000			
(b)	Water supply line	sqm	450000			
(c)	Electric cables	sqm	450000			
Total Quoted Amount						
Note: All works described in the scope of work shall be assumed to be included in the price quoted for site survey work and nothing extra shall be payable on any account..						

Quantities indicated in the column of quantity is the estimated quantity (may vary) shall mean plot area for which surveying is to be done..

Tenderer should visit the site before quoting the rates.