

**L.R.S. Institute of Tuberculosis and Respiratory Diseases (An Autonomous Institute under the
Ministry of Health and Family Welfare. Govt of India)
Sri Aurobindo Marg (Near Qutab Minar)
New Delhi -110030**

NO. : HSCC/LRSI/HSCC/Surveying/2012

Dated : 16/04/2012

Notice Inviting Tenders

L.R.S. Institute of Tuberculosis and Respiratory Diseases, invites sealed tenders from Survey Investigation Agencies for the Comprehensive surveying of Existing premises of L.R.S. Institute of Tuberculosis and Respiratory Diseases, Sri Aurobindo Marg (Near Qutab Minar), New Delhi -110030 indicating location of all existing buildings in the premises. Estimated cost : Rs. 10.00 Lakhs & Time of completion : One Calendar Month. Tender documents may be downloaded from HSCC website <http://www.hsccltd.co.in> and LRSI web site www.lrsitbrd.nic.in or purchase the tender document from HSCC, HO from 17/04/2012 to 24/04/2012 and submitted on or before 3 P.M on 25th April 2012 in HSCC's office at Plot No. 6(A), Block E, Sector-1, Noida-201301(U.P).Prospective bidders are advised to regularly scan through HSCC web site. Corrigendum/amendments etc., if any, will be notified on the HSCC web site and separate advertisement will not be made for this.

DGM (C)

**L.R.S. Institute of Tuberculosis and Respiratory
Diseases (An Autonomous Institute under the Ministry
of Health and Family Welfare. Govt of India)
Sri Aurobindo Marg (Near Qutab Minar)
New Delhi -110030**

**TENDER
FOR
COMPREHENSIVE SURVEYING WORKS OF THE LRSI
PREMISES**

APRIL 2012

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: COMPREHENSIVE SURVEYING WORKS OF THE LRSI
PREMISES**

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TENDER FOR COMPREHENSIVE SURVEYING WORKS OF THE LRSI PREMISES

Offers are hereby invited by L.R.S. Institute of Tuberculosis and Respiratory Diseases from competent * Survey Investigation Agencies. The agency shall carry out the Comprehensive surveying of 25 acre Existing premises of L.R.S. Institute of Tuberculosis and Respiratory Diseases, Sri Aurobindo Marg (Near Qutab Minar), New Delhi -110030 indicating location of all existing buildings, all services, Roads, location of trees etc. in the premises as per enclosed scope of work, general terms and conditions, time period and mode of payments etc.

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 New Delhi.

ENVELOPE MARKED NO. 2

Shall contain all documents supplied with the tender **excluding Price bid** duly signed and filled.

ENVELOPE MARKED NO. 3

Shall contain all Price bid duly filled signed & stamped.

All the three envelopes marked above to be sealed in a separate envelope and submitted within due date & time at the following address:

HSCC (India) Ltd.

E - 6(A), Sector -1, NOIDA, Uttar Pradesh.

Pin- 201301.

Sale of tender from 17/04/2011 to 24/04/2012 during office hours. The last date of submission of tender is 25.04.2012 up to 1500 Hrs.

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

Envelope No.1: Shall be opened first. If the bid Security is not found as prescribed the bid shall be summarily rejected.

Envelope No.2: Shall then be opened. Bids of parties who do not accept the conditions laid down in the bid documents may be rejected.

Envelope No. 3 : Shall contain the sealed price bid. Whose bids is found to be generally in order and substantially responsive shall be opened either at the bid opening or at a subsequent date to be intimated in advance to such eligible bidders.

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-----

Dy General Manager (Civil)

* as per Pre Qualifying Criteria

Brief Description of Project:

Offers are hereby invited by L.R.S. Institute of Tuberculosis and Respiratory Diseases from competent * Survey Investigation Agencies. The agency shall carry out the Comprehensive surveying of 25 acre Existing premises of L.R.S. Institute of Tuberculosis and Respiratory Diseases, Sri Aurobindo Marg (Near Qutab Minar), New Delhi -110030 indicating location of all existing buildings in the premises as per enclosed scope of work, general terms and conditions, time period and mode of payments etc.

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 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, i.e. for FYs 2008-09, 2009-10 & 2010-11, should be at least 30% of the estimated cost.
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.
3. Similar works here means any Surveying works.

All tenderers should submit the proof of works executed as above & "Satisfactory Performance Certificates". Absence of submitting the same along with the tender will disqualify the tenderer.

The estimated cost of the work is Rs.10,00,000/- (Rupees Ten Lakhs only)

The competent authority to pre-qualify shall have the powers to relax any condition/criteria for pre-qualification if it considers expedient to do so.

SCOPE OF WORK

A. TOPOGRAPHICAL SURVEYING AND REPORT SUBMISSION

The Scope of work is detailed as under: -

1. Carrying out topographical survey including transferring the level from nearest available permanent G.T.S. benchmark
2. Establishment and construction of 10 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. Spot leveling of total area of land/plot, near by drain, Road but less than 10 m around the plot by taking spot levels at 5 m center to center grid and contour intervals at 0.5 m.
4. 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, power (HT & LT) & telecommunication lines/poles, trees of girth ,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 in the form of report and drawings by the agency: -
 - a) Direction of North.
 - b) Prevailing wind direction and speed.
 - c) Maximum, minimum, average, hourly, daily, monthly and annual rainfall for the last 10 years.
 - d) Daily maximum, minimum and average temperature for last ten years.
 - e) High Flood level near site
6. Existing water supply source data shall be collected and supplied as under:-
 - i) Location and alignment of potable water source with reference to area under survey along with size and residual pressure available in and around the project site boundary.
 - ii) Total water storage capacity in existing tanks & details of consumption per day.
 - iii) Feasibility to connect proposed water supply from existing main ring.
7. Existing Fire fighting system data shall be collected and supplied for areas in and around the project site boundary as under : -
 - i) Location and capacity of existing fire storage tank & fire pumps.
 - ii) Existing fire ring main – location, alignment, diameter, material of pipe, location of hydrants etc.
 - iii) Feasibility to connect fire line nearest to the proposed site.
 - iv) Local Bye-laws of the area.
8. Details about Sewer and storm water drain / nallah passing through/near the complex indicating the following details:-
 - i) Location and alignment of drain / nallah
 - ii) Invert level / L-Section of the drain / nallah indicating slope .
 - iii) Cross-section of the nallah / drain at suitable locations.

9. Location of the road near the site indicating its layout with reference to site. The crown levels (L-section) of road/railway at 20 m. interval along the alignment are to be indicated.
10. Details of Municipal/Public sewer line:
 - i) Location, material, diameter and alignment of the existing sewer lines running in and around the project site. Location for suggested outfall point for sewerage of the proposed Complex.
 - ii) Location of manholes with size, ground level and invert levels of sewer line running around/near the project site.
 - iii) Feasibility to connect proposed sewer with existing sewer line.
11. Details of the proposed approach road connecting main road to project site to be supplied as under: -
 - i) Alignment of the road
 - ii) L-Section of the road indicating ground levels at 10 m centre to centre between main road and entrance of project site.
 - iii) Cross-section of the road extending up to 10 m distance on both sides of centre of road with levels at 5m. c/c.
 - iv) Crown level of the main road at the junctions with the proposed approach road.
 - v) Details - such as L.S. & C.S., Bed level, H.F.L. etc. of the cross drainage, if any.
12. Details of the existing boundary wall, temporary and permanent structures, if any, inside the site including the following shall be collected and supplied: -
 - i) Cross section of the wall
 - ii) Part elevations and cross-section of the buildings also showing. foundation.
 - iii) Length, width, height, area and no of stories of each building including details of materials used in construction.
 - iv) Location of existing trees (along with height and girth of the trees) and other permanent/ temporary structures.

- v) Electric overhead lines (LT/ HT), telephone lines.
 - vi) The agency shall submit colored photographs (about 25) showing the major features of the site and its surroundings.
13. All survey, grid levels shall be done by Total Station and contour plan shall be prepared on computer through digitization process and the soft copy shall be provided for the same immediately.
14. On completion of all fieldwork, 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.
15. Description and photos of general surrounding and plot and of the team while carrying out the work awarded.
16. Plot has to be cleared of all vegetation including shrubs, bushes, etc. whatsoever before start of the work and all removed vegetation to be thrown as per HSCC directives.
17. The any above is not relevant or not covered in the report to be specific listed out in draft report and obtain the above from HSCC/Client. Otherwise agency has to provide the same without any extra cost or paid accordingly.
18. Payment shall be made for actual survey area but not exceed the quantity in the tender document

1.10 REPORT

1.10.1 General

a) On completion of all the field the Agency shall submit a formal report containing Geological information of the region, procedure adopted for investigation, field observations, summarised test data, conclusion and recommendations. The report shall include detailed bore-logs, subsoil sections, field test results, laboratory observations and test results both in tabular as well as graphical form, practical results both in tabular as well as graphical form, practical and theoretical considerations for the interpretation of test results, the supporting calculations for the conclusions drawn, etc. Initially the Agency shall submit three copies of the report in draft form for the Supervising Agency's review. The format of the cover page of the reports shall be got approved by the Engineer.

b) The Agency's qualified Geotechnical Engineer shall visit Supervising Agency's office for a detailed discussion on Supervising Agency's comments on his draft report. During the discussions, Supervising Agency shall decide as to the modifications that need to be done in the draft report. Thereafter the Agency shall incorporate in his report the agreed modifications and after getting the amended draft report approved, six copies of the detailed final report (in A4 size and spiral binding with plastic covers) shall be submitted along with one set of reproducible of the graphs, tables, etc.

c) The detailed final report based on field observation, in-situ and laboratory tests shall encompass theoretical as well as practical considerations for foundations for different types of structures envisaged in the area under investigation. The Agency shall acquaint himself about the type of structures, foundation loads and other information required from the Engineer.

1.10.2 Data to be furnished

The report (in soft as well as hard copy) shall also include but not be limited to the following: -

a) A plot plan in A1/A0 sheet showing the locations and reduced levels of all field tests e.g. boreholes, trial pits, static cone penetration tests, dynamic cone penetration tests, plate load tests, etc., properly drawn to scale and dimensioned with reference to the established grid lines.

b) A true cross section of **all individual boreholes and trial pits** with reduced levels and coordinates showing the classification and thickness of individual stratum, position of ground water table, various in-situ tests conducted and samples collected at different depths and the rock stratum, if met with.

c) A set of longitudinal and transverse soil profiles connecting various boreholes in order to give a clear picture of the variation of the subsoil strata as per IS: 6065. (each soil profile to be submitted in separate sheets).

d) Past observations and historical data, if available, for the area or for other areas with similar soil profile or with similar structures in the surrounding areas.

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 LRSI 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 Director, LRSI 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, LRSI being sole judge of the same. The Agency shall be paid for the useful work done upto the date of termination. LRSI 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-1

S.N.	Particulars (a)	Completion Time	Submission of Draft Report (b)	Submission of Final Report (c)
A.	Topographical plan with Contours (as per Scope of Work)	4 weeks from date of award of work	2 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-2

S.No.	Stage of Work	Percentage of Total fees payable
1.	For submission of draft Reports of all items from S.N. 1 in Table -1(a)	30
2.	For submission of final Reports of all items from S.N. 1 in Table -1(c) after receiving approval from HSCC	30
3.	On submission of field information along with all reports as required/as per scope of work	20
4.	On submission of all drawings and technical report including photographs, basic calculation sheets, complete in all respects, in a CD.	20

PRICE BID FOR TOPOGRAPHICAL SURVEYING AND REPORT SUBMISSION

S.No.	Description	Unit	Quantity	Rate in figures	Rate in words	Amount
1.	Topographical Survey and report Submission:					
a	Site Survey as per defined scope of work of the area ear marked in enclosed layout drawing (as per actual) .	Sqm	100000			
b	Construction of Bench Mark and providing fencing around them as per drawings supplied.	No	10			
	TOTAL					