

Tender Notice

Tenders are invited from reputed HVAC design consultants preparation of Complete Tenders for HVAC works related to various projects of HSCC. The tender document can be downloaded from HSCC website www.hsccltd.com and submitted within 7 days of publication of this advertisement, along with the prescribed tender document fees, to CGM (E) –PG III, HSCC(I) Ltd., E-6(A), Sector-1, Noida, U.P.-201301.

CGM(E)-PG III

SCOPE OF WORK (HVAC Design)

1.0 Scope of work:

The Scope of Work involve carrying out HVAC Design & Detailing Works and preparation of drawings.

The details of the buildings are as under:

Sr. No.	Buildings	Approx. AC Area
1.	IICB Kolkatta	6957 SqM
2.	RMRC Dibrugarh	4056 SqM
3.	RRL Jammu	2290 SqM

HVAC Design, Detailing and Preparation of Drawings.

Design & detailing works including heat load calculations, planning of HVAC system, selection, ducting, piping design preparation of drawings and detailing, Preparation of Technical Specifications.

Complete design calculations, quantity analysis along with and drawings shall be in the scope of works and shall be submitted by the consultant for which nothing extra is payable.

- Detailed heat load calculation for summer, monsoon and winter conditions and calculation of tonnage and air quantities to be supplied to the air-conditioned areas.
- Basis of equipment selection with supporting calculations
- Detailed Schedule of equipments
- Detailed air distribution layout drawings in double lines with duct sizes, air quantities, air handling units size and capacities, sizes and locations of grilles/diffusers etc.
- Detailed piping distribution layout drawings in double line with pipe sizes, water flow rates, pumps and cooling tower sizes and capacities etc.
- Plant room equipment layout drawing in double lines with sectional details
- Ducting, piping and insulation fabrication and installation details drawings
- Preparation of detailed equipment specifications, technical data schedules of equipments.

CONDITIONS OF CONTRACT

The General Conditions of Contract are as under:

1.0 Delay & Extension :

If the work is delayed by force majeure or any other cause which is in the absolute discretion of HSCC 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 endeavours 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 3 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.

RISK PREJUDICE CLAUSES

2.0 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 parties may give the other notice in writing of existence of doubt. Question, dispute or difference and the same shall be referred to the HSCC or his nominee as sole arbitrator in accordance with the latest Indian Arbitration Act including up to date amendments, if any. The decision of the Sole Arbitrator thereon shall be final, conclusive and binding upon the parties to dispute.

The party invoking the 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.

3.0 Jurisdiction of Court :

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

4.0 **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 the sole judge for the same). The agency shall be paid for 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 the HSCC all the data, compiled report, drawing etc. prepared by the agency 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 co-operate 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.

5.0 **Breach of Trust :**

Unless otherwise directed by HSCC specifically, the agency shall not contact directly or indirectly the Client or any other Authority connected with the Project. Non compliance of this clause shall be treated as breach of the Trust resulting in termination of contract between HSCC and the agency forthwith any prior notice to him. In such event, no objection will be entrusted to him in future by HSCC.

6.0 **Discussion with HSCC & Approvals :**

Availability : 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 from time to time for discussions with other agencies or HSCC officials connected with the work without any extra claim.

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 absolve the agency of the total responsibility of the correctness and soundness of the work and other obligations under this contract

7.0 **Ownership of Documents & Copy Rights :**

(a). The copy right of all drawings , reports, calculations, tender papers and other similar documents provided by the agency in connection with Project/work shall remain vested in HSCC.

(b). 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.

8.0 Changes or Alteration of Designs / Drawings :

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

9.0 Correctness and Accuracy of Data :

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

10.0 Safety of Design :

The agency shall be fully responsible for the safe design as per National standards and requirements. In the absence of National standards, requirement shall be of International standards. The structural stability certificate shall be provided by the agency as per format/guidelines of HSCC.

11.0 Code of Practice :

The report, design and drawings for all works shall confirm to local building bye-laws and other state regulations as well as 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

12.0 Documentation of Design and Drawings:

The following design and drawing outputs shall be submitted by the design consultant :

- a) One set of hard copy of all design calculations along with support documents
- b) One set of hard copy of all drawings in A1 size
- c) One set of detailed cost estimates along with backups (for HVAC Works only)
- d) One set of soft copy of all design calculations and drawings in CD

13.0 Time of Completion :

HVAC Design and Detailing Works.

Sr. No.	Design Stage	Time of Completion
1.	Submission of complete Tender Document along with Design & Details.	One Week from the date of Award of Work

14.0 Liquidated Damages for Delay in Completion:

Penalty shall be levied upon the agency in case of delay in fulfilling the obligations under this agreement for causes solely attributable to the agency at 1% (one percent) of the contract fee per week of delay subject to a maximum of 10% of the total contract fee.

For computing the penalty 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 contract. The agency shall be liable to pay this compensation to HSCC.

However, no penalty shall be levied in case the delay is on account of force majeure or release of design inputs to the agency from HSCC. In such case the time schedule shall be reworked and a suitable extension of time shall be granted for work completion. No extra price shall be payable by HSCC to the agency for the delayed or extended period.

15.0 Payment Terms :

For the purpose of stage payments to the agency, the following breakups shall be followed:

Sr. No.	Design / Drawing Stage	Payable Price (In % of Total Fees)
1.	Preparation and submission of design concept report & approval of the same by HSCC	5 %
2.	Preparation and submission of data sheets/design calculations and tender drawings and acceptance by HSCC	35%
3.	Preparation and submission of complete technical specifications and BOQ with detailed take off sheets and acceptance by HSCC	30%
4.	Preparation and submission of cost estimates along with market rate analysis with supporting documents and acceptance by HSCC	15%
5.	Submission of soft copy of all drawings, design calculations, specifications, BOQ and other relevant data in soft copy on CD and acceptance by HSCC	15%

16.0 H.S.C.C reserves the right to awarded different Projects to different Parties.

17.0 **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 six months of successful completion of design and detailing works by the agency.