



GOVERNMENT OF HIMACHAL PRADESH

COMPREHENSIVE TENDER DOCUMENT FOR

Providing Information-Technology Education Services to Educational Institutions

April 2008 TO 31st March 2011

(Tender No : 01/2008-09/ Information Technology)

Through
Directorate of Higher Education
Lal Pani, SHIMLA – 171001
(Email: dir.edu@rediffmail.com)
(www.educationhp.org)

Tender No : 01/2008-09/ Information Technology

Serial No. : _____

Issued to : _____

Request No. : _____ Dated _____

Cost of Tender Document, Rs 4000/- (Four Thousand only) received vide

Demand draft No. _____ Dated _____ drawn on

(Bank) _____

Tender document issued on (Date) : _____

Authorized Signatory

TENDER SUMMARY

1. Tender No. : 01/2008-09/ Information Technology
2. Description : For the selection of I.T. Education & Training Service Provider for the Department of Higher Education in Himachal Pradesh.
3. EMD : Rs. 3,00,000/-
4. Tender Document Cost : Rs. 4000/-
5. Last Date of Submission : 06/06/2008 upto 1:00 PM
6. Date of Pre Tender meeting (Optional to attend): 24/05/2008
7. Date of opening of Pre- qualification Cum Technical Bid: 06/06/2008 at 2:00 PM
8. Date and time of opening of commercial of eligible parties after evaluation:
To be conveyed after evaluation

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SECTION – I

INVITATION FOR BIDS

This invitation of bids is for carrying out task of providing Information – Technology Education Services in Govt. Sr. Sec. Schools for the Department of Higher Education, Himachal Pradesh:-

- 1.1 Bidders are advised to study the Tender Document carefully, Submission of Tender shall be deemed to have been done after careful study and examination of the Tender Document with full understanding of its implications.
- 1.2 Sealed offers prepared in accordance with the procedures enumerated in Clause -3.1 of Section -III should be submitted to the Director, Directorate of Higher Education, Lal Pani, Shimla – 171001 not later than the last date of submission.
- 1.3 All bids must be accompanied by a Earnest Money of Rs. 3,00,000/- (Rupees Three Lakhs only) in the form of Bank Draft in favour of Director of Higher Education, Himachal Pradesh, Shimla-I payable at Shimla.
- 1.4 This Tender document is not transferable.
- 1.5 Schedules for Invitation to Tender:-
 - a) Last date and time for receipt of Tender: On 06/06/2008 upto 1.00 P.M.
 - b) Place, Time & date of opening of Pre-qualification cum Technical bids.
Office of the Director of Higher Education, Lal Pani, Shimla-171001, (H.P) At 2.00 PM on 06/06/2008
 - c) Validity of the Tender:- 60 days from the date of opening of bids.
- 1.6 Execution of the contract period:- 40 Days.

Note: The Department shall not be responsible for any postal delay about non-receipt/ non-delivery of the documents.

SECTION – II

SCOPE OF WORK AND DETAILED TECHNICAL SPECIFICATIONS

2.1 After having an overwhelming response from the students, parents in particular and Public in general, the Government of Himachal Pradesh has decided to introduce Information – Technology (IT) Education as an additional optional subject in the Senior Secondary Schools in the State of Himachal Pradesh, for the students of classes 9th to 12th , with effect from Academic Year 2008-09. The scope of this rate contract is :-

2.1.1. The syllabus prescribed for I.T. Education by H.P. Board of School Education Dharamsala, of 1-year duration each, shall need to be taught to the students of Classes IX, X, XI and XII in all 588 Senior Secondary Schools where IT- Education is presently running and any other school where the number of students willing to opt IT-Education will be 50 and above. The syllabus prescribed by the H.P. school Education Board is attached with the Tender document. The contract shall be upto 31st March, 2011.

2.1.2. To provide one IT-Teacher upto students strength of 100 opting this subject, and 2 Teachers if the enrolment is above 100 and upto 200. Thereafter, an additional IT-Teacher will have to be provided for every increase of 100 students or a part thereof. The student computer ratio should be 20:1. The Practical session be so planned that student computer ratio of 4:1 is strictly maintained.

- 2.1.3. Equip each school with branded machines having following minimum configuration:-
- a) One Server computer :- Intel Core 2 Duo Processor E4500, Intel G31/Q33 Chipset, 1 GB RAM, 80 GB HDD, 15" Color Monitor, COMBO Drive , FDD, LAN Card, USB Optical Mouse, USB Keyboard
 - b) Client Computer:- Intel Dual Core Processor E2160, Intel 945 G/ G31 Chipset, 512 MB RAM, 80 GB HDD, 15" Color Monitor, COMBO Drive, FDD, USB Optical Mouse, USB Keyboard with proper Networking for sharing files, Internet and Printer. The total number of machines to be installed in a school shall be determined by dividing total enrolment of students in IT-Education in a school by 20. Additional enrolment of students upto 10 will be adjusted on the existing computers and for the 11th student next computer will be provided and so on, subject to the condition that irrespective of the student strength at least 2 machines per school shall have to be installed.
 - c) HUB / Switch for Networking (as per the requirement)
 - d) Windows based Latest operating system for Server and Client.
 - e) Licensed Software as per the syllabus.
 - f) Modem (Internal/ external)
 - g) Printer Dot matrix (24 pin 136 col., 360cps). One printer for every 4 computers shall be provided by the contracting company. Additional computers i.e. upto 6 will be adjusted on the existing Printer and for the 7th computer, next printer will be provided and so on, subject to the condition that irrespective of the number of computers in a school at least 1 printer per school shall have to be installed
 - h) UPS 625 VA per system or of higher specification/capacity as per the requirement.

- i) Broadband connection of min 256 kbps for internet. Telephone line, if required has to be provided by the company. If Internet Service Provider is not available, Dummy Internet CD's have to be provided.
- j) Furniture for IT Teacher, students and IT Lab where teaching of IT-subject is going to start afresh.
- k) Preparation of site including flooring, deep-earthing / power point fitting.

The company shall maintain the machines in excellent working conditions, the Network of computers, Software and connected infrastructure like UPS and furniture etc. during the contract period.

2.1.4 The contracting company shall bear the recurring cost of distributing instructional material, consumables e.g. 3 floppies, 3 CDs per student per year , printer ribbons, stationery to students for taking print out @ 12 sheets per student per month, Internet connection, Hardware maintenance etc. In case of default the Principal of the concerned school shall have the authority to deduct the expenditure incurred on these items from the IT-Fee collected and submit the Original Vouchers to the company.

2.1.5 The contracting Company shall provide Stationery to the concerned school Principal for collection of IT- fee and maintenance of record thereof.

2.1.6 The company may remove or take away the faulty component/system from the IT Lab, only if it provides the component/system of same brand with equal or higher configuration/specification.

2.1.7 The contracting company shall provide 1 set of syllabus Books per class per school per year.

2.2 Other Related Terms:-

- 2.2.1 Accommodation to install the equipment and electricity connection will be provided by the school free of cost.
- 2.2.2 Electricity charges @ Rs 400/- per month per school and Internet charges on actual basis will be deducted by the concerned Principal out of the IT fee collected.
- 2.2.3 The contracting company shall not charge the IT-Fee directly from the student. The school Principal shall collect the IT-Fee. The Principal shall release the fee so collected to the contracting company every month as per the award of the contract after deducting all recurring expenses (e.g. electricity bill, Internet charges and penalty imposed if any).
- 2.2.4 The qualified Tenderer shall give his quote for minimum fee to be charged per student per month uniform for the classes IX to XII students and the quote shall be uniform for all the schools covered under the Tender. Further the quoted fee rate shall cover the entire period of the contract i.e. from the actual date of infrastructure creation and delivery- of IT Education services in respective schools to the end of the academic year 2010-2011.
- 2.2.5 a) The entire infrastructure like instruction material, software, hardware, furniture, books and site installation etc. would become the property of concerned institution after 31/3/2011.
- b) In addition to the above, in case the contracting company defaults at any time in 15% or more than 15% of the total allotted schools in accordance with the Penalty Clauses and Govt. decides to do away with the contract during the currency of this contract, the entire infrastructure like instruction material, software, hardware, furniture, books and site installation etc. would become the property of concerned institution.

- 2.2.6 In case the company deviates from the provisions/ Terms and Conditions contained in this document/MOU during implementation of the project in any school, the Govt. shall have the right to instruct the contracting company to provide the required services in the school(s) as per the terms and conditions of the MOU failing which the Bank Guarantee in respect of that school will be invoked.
- 2.2.7 Watch and ward will be the responsibility of the contracting company. The concerned institute shall not be held responsible for any loss of property.
- 2.2.8 In case the company already doing such job in the H.P. State under earlier tender is found to be lowest bidder, the contract shall be awarded to such company subject to the following conditions:-
- i. That it has fulfilled all the terms and conditions of the earlier tender and no clause remained to be implemented.
 - ii. That no court case/ dispute between the company and the department or between the company and its master franchisees, regarding faulty implementation of the earlier contract pending in any court of law.
 - iii. That the terms and conditions of the previous tenders and MOU/any decision taken there under in relation to that document will not be applicable to the present Tender Document in any form.

SECTION-III

INSTRUCTIONS TO BIDDERS

- 3.1. Procedure for Submission of Bids: It is proposed to have a Two Cover System for this tender.
- a) Pre-Qualification Bid cum Technical Bid in one cover.
 - b) Commercial Bid in another separate cover.
- 3.1.1 a) The pre-qualification cum technical bid should be filled in original and should be sealed in separate cover. The Pre-Qualification cum Technical Bid should be super-scribed as; PRE-QUALIFICATION CUM TECHNICAL BID - ENVELOPE-A and put in a cover alongwith EMD. The bidder should sign all pages of the PRE-QUALIFICATION CUM TECHNICAL BID.
- b) The Commercial Bid as prescribed should be filled in original for IT-Fee rate per month per student in a separate cover. The Commercial BID should be super-scribed as; COMMERCIAL BID- ENVELOPE-B. The bidder should sign all pages of the COMMERCIAL BID.
- 3.1.2 The Bidders have to qualify the CRITERIA as given in SECTION-IV, "Terms and conditions of the tender" and the technical evaluation of only eligible bidders shall be undertaken
- 3.1.3 Pre-Qualification cum Technical bids will be opened on the prescribed date and time and checked for submission of EMD and other applicable documents specified in Section-III "Clause-3.7 Documents Comprising the Bids".
- 3.1.4 The final cover thus prepared should indicate clearly the name and address of the bidder to enable the Bid to be returned unopened in case it is received "Late".
- 3.1.5 The bids received late and declared late by the Tender Evaluation Committee, after the last date and time for receipt of bids prescribed in the tender document shall be rejected and/or returned unopened to the bidder.

3.2 TENDER EVALUATION

The Pre-Qualification cum Technical bid will be opened and checked for eligibility criteria under “Tenderer’s qualification Section-IV” Clause- 4.1. Bids of only those bidders who qualify the eligibility criteria will be processed further.

3.2.1 The Bids of the bidders satisfying the eligibility criteria shall be technically evaluated on the criteria given in the Technical Evaluation below:

TECHNICAL EVALUATION

Sr. No.	Evaluation Criteria	Weightage	Maximum Marks
1.	Financial Capability – Average overall turnover of the bidder in last three years. (From Proforma I, General Information, SI No 7- Average overall turnover of the bidder in last three years. Note: only the audited financial particulars of a single legal entity will be taken on record		25
A	≤ 50 crores	10	
B	>50 crores ≤ 100 crores	15	
C	>100 crores ≤ 200 crores	20	
D	>200 crores	25	
2.	Financial Capability – Average Annual turnover in last three years in IT/computer education in India only. (From Proforma II, Special Information, SI No 3- Annual turnover for last 3 years). Note: In case of merged or de-merged companies only the audited turnover of the single legal entity as on financial year completion date will be considered.		25
A	=10 crores	10	
B	>10 crores ≤ 50 crores	15	
C	>50 crores ≤ 100 crores	20	
D	> 100 crores	25	
3.	Average number of Govt. Schools In India in which similar IT Education project for providing Computer Education is run by the bidder in the last three years upto 31/03/2008 (From Proforma II, Special Information, SI No 5-Statement of past performance).		25
A	350-500 schools	10	
B	501 – 1000 schools	15	
C	1001 – 2000 schools	20	
D	> 2000 schools	25	
4.	Number of State Governments/UT for whom the bidder is implementing IT Education. (From Proforma II, Special Information, SI No 6 –Details of experience in IT Education with the State Governments)		25
A	≤ 2 states	10	
B	3 – 5 states	15	
C	6 – 7 states	20	
D	> 7 states	25	
	Maximum Technical Score		100

3.2.2 The Commercial Bids of only three bidders with highest marks in Technical Evaluation will be opened (with minimum 60 marks in the Technical Evaluation). Bidder with the minimum quote of fee out of the above three will be considered. However, the committee has the power to relax the condition of minimum marks if the number of qualified bidders is less than three.

3.2.3 In case of a tie in fee quoted, the decision of the Tender Evaluation Committee will be final.

3.2.4 The successful bidder shall be issued a Letter of Intent by the Director Higher Education, Himachal Pradesh. Pursuant to this, the successful bidder shall sign the MOU with the Director of Higher Education, Himachal Pradesh, within SEVEN DAYS of the issue of Letter of Intent, failing which his EMD shall stand forfeited. The schools allotted to such bidder will be then offered to the next higher bidder (in terms of fee).

3.3. Cost of Tender document

3.3.1 The Tenderer shall bear all costs associated with the preparation and submission of its Bid, including cost of presentation for the purposes of clarification of the bid, if so desired by the Government and the Government will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the Tendering process.

3.3.2 The tenderer is expected to carefully examine all instructions, forms, terms and specifications in the Tender Document. Failure to furnish all information required in the Tender Document or submission of a bid not substantially responsive to the Tender Document in every respect will be at the Tenderer's risk and may result in the rejection of the bid.

3.4. Clarification regarding Tender Document

A prospective tenderer may seek any clarification regarding the Tender Document in person from the Director of Higher Education, Shimla-1, H.P that shall be final.

3.5. Amendment of Tender Document.

3.5.1 At any time upto the last date for receipt of bids, the Government, may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Tenderer, modify the Tender Document by an amendment.

3.5.2 The amendment will be notified in writing or by FAX or Email to the prospective Tenderers who have received the Tender Documents and will be binding on them.

3.5.3 In order to afford prospective Tenderers reasonable time or otherwise for any other reason, in which to take the amendment into account in preparing their bids, the Government may, at its discretion, extend the last date for the receipt of Bids.

3.6. Language of Bids

The Bids prepared by the Tenderer and all correspondence and documents relating to the bids exchanged by the Tenderer and the Government, shall be written in the English language.

3.7. Documents Comprising the Bids

3.7.1 The Bids prepared by the Bidders shall comprise of following components:

- (a) Pre-Qualification cum Technical Bid - consisting of the following:
- i) Bid Proposal sheet duly filled in, signed and complete in all respects. (Proforma -I)
 - ii) Declaration, typed on Company Letter Head, and signed by Authorised signatory.
 - iii) Proforma II to V duly filled in and signed by the Authorized signatory of the Bidder.
 - iv) Certified Copy of Certificate of Incorporation and Memorandum and Articles of Association.
 - v) Copy of latest income tax Clearance Certificate or copy of latest Income Tax Return, PAN/TAN No and EPF No.
 - vi) General Power of Attorney executed in favour of person (s) authorized to sign the tender bid and contract and all correspondence/documents thereof.
 - vii) Consent letter of Financial Institution willing to fund in advance the project cost or proof of sufficient financial reserves as per latest Audited Financial statement.

- viii) Audited Balance Sheet and Income Statement for the last 3 years duly signed by the Statutory Auditors and authorized signatories of the Bidder. Audited Annual Reports of the company can be submitted in lieu of Audited Statements certified by Chartered Accountant.
 - ix) Documentary Evidence (signed by the Authorized Signatory) proving that Bidder fulfills the Eligibility Criteria as stated in Section IV, Article 4.1. Documentary Evidence should be provided as per Proforma III.
 - x) Documentary Evidence (signed by the Authorized Signatory) proving that Bidder has provided all the applicable data and documents required for carrying out the evaluation of their Bid as per the parameters given in Section-IV, Clause 4.1 Documentary Evidence should be provided as per Proforma III.
 - xi) The list of centres in Himachal Pradesh if any with complete address where such services are being provided, as per Proforma II. Bidder may have to show additional proof for these centres subsequently if requested by the Director Higher Education. This condition is not mandatory for eligibility.
 - xii) Order copy/agreement copy to be enclosed for Government Schools where successful IT-Education provided with any State Governments / Organisations in India.
 - xiii) Proof of payment of Tender Fee of Rs.4000/-or Demand Draft of Rs. 4000/- (to be enclosed with the Pre-qualification cum Technical Bid) in case of the tender document downloaded from website.
 - xiv) Earnest Money of Rs. 3, 00,000 (Rs. Three lacs) in the form of Bank Draft in favour of the Director of Higher Education Himachal Pradesh, Shimla-1 payable at Shimla. The Earnest Money of the Successful Bidder (s) will be refunded after the submission of requisite Performance guarantee in the shape of irrevocable Bank Guarantee. No interest will be payable on the EMD.
- (c) Commercial Bid - consisting of the following: -
- i) The Bidder shall quote the rate for implementing the assigned jobs as per the detailed terms and conditions contained in the Tender Document on Proforma -V

SECTION –IV
TERMS AND CONDITIONS OF THE TENDER

4.1. TENDERER'S QUALIFICATION:

The Tenderer should be a reputed I.T. Education Company/Organization providing I.T. Education related services for which the Bid is quoted in the tender form. The contracting tendering IT Company should have sufficient experience in handling this kind of project i.e. imparting IT-Education at this level.

4.1.1. The Tenderer IT-Company must have a minimum turn over of Rs. 10 Crore per year in the last three years in IT-Education related activities (Attach Proof) and should have 3 years experience in handling this kind of project i.e. imparting IT-Education at this level in minimum 350 schools per year in each of the last 3 yrs and handling of teaching manpower of atleast 500 teachers.

4.1.2. The Tenderer will submit a letter from a financial institution that is willing to fund this project or should have “sufficient reserve of atleast of Rs. 3 Crore” as per latest audited financial statement.

4.1.3. The Tenderer company must have requisite infrastructure and resources to successfully execute the project and provide services in Himachal Pradesh and should have valid Income Tax Certificate/Return. The Tenderer Company shall have to submit a certificate of good performance from it's previous employer including education department of HP Govt., if any.

4.1.4. The Tenderer shall give a complete list of their own centers and institutions where such job assignments are being performed/handled by it.

4.1.5. In no case the contracting IT Company shall be allowed to sublet its functions in respect of this project either wholly or in parts, to any sub-contractor/ sub-franchisee at any stage. That means, third party involvement/ participation is not allowed. If found, the contract shall be terminated with immediate effect and bank guarantee shall be invoked and the entire infrastructure like instruction material, software, hardware, furniture, books and site installation etc. would become the property of Government.

4.1.6. The Tenderer shall have adequate number of IT-Instructors under their control. The instructors should have the following minimum educational qualifications in computer education :-

Graduate + PGDCA from any recognised University/ Institution authorised to issue such a certificate.

OR

Graduate + 'O' Level from DOEACC

OR

BCA or B.Sc (Computer Science) or Master's degree in IT/Comp.Sc. from any recognized University.

OR

10+2 + Three years Diploma in Computer Science from recognised polytechnics.

The Instructors are to be bonafide Himachalis.

4.1.7. (a) The recruitment, retrenchment, reallocation and salary of the IT-Teachers is exclusive prerogative and responsibility of the contracting IT Company. The contracting IT-Company should possess proper contract license for recruitment of manpower etc. Such company must have the experience of currently employing at least 500 IT Teachers by proper contract license (Attach Proof). The contracting IT Company shall give appointment letters to the IT-Teachers appointed by them. The school Principals will allow only those IT-Teachers to join/continue, who will have a valid appointment letter from the contracting IT Company. If the performance of the IT-Teacher is found unsatisfactory at any time by the Head of the institution, then he may inform about this to the contracting company and the contracting company shall replace such IT Teacher. In case of retrenchment, reallocation, the information must be sent to the Principal concerned at least 15 days in advance, so that the studies of the students do not suffer.

(b) The I.T teachers will be eligible for fifteen days leave in a year.

(c) Monthly payment to the IT Teachers will be as under:-

i.) Service upto 3 years Rs. 4000/-

ii.) Service more than 3 years and up to 5 years Rs. 4500/-

iii.) Service more than 5 years Rs. 5000/-

The service period will be counted since 2001 and for each teacher it will be calculated from the date of first appointment.

4.1.8. The govt. shall not have any liability including litigation arising due to either recruitment or retrenchment or any other service conditions of IT teachers appointed by the company. In case of any dispute/litigation arising as a result of these service conditions, the said dispute/litigation will be the exclusive dispute/litigation between the IT teachers and the Contracting company. The H.P. Govt. / Department of Higher Education/ Principal of the concerned school will have no responsibility or liability in all such matters.

4.1.9. The contract period shall be from date of signing of MOU/agreement to 31/03/2011.

4.1.10. The normal schools hours will be between 10.00 A.M. and 4.00 P.M. in general (and 8.00 A.M. to 2.00 PM during summers in summer closing schools only) subject to any variations as may be notified from time to time.

4.1.11. The individual signing the tender or other document, in connection with the tender, must certify as to whether he or she has signed as:-

- A "Sole Proprietor" of the firm or constituted attorney of such sole proprietor.
- A partner of the firm, if it be partnership, in which case he must have authority to refer to arbitration disputes concerning the business partnership either by virtue of the partnership agreement or a power of attorney. In the alternative all the partners should sign the tender.
- Constituted attorney of the firm, if it is a company.

4.1.12. Tenders with incomplete information OR not in accordance with instructions or without EMD are liable to be rejected.

4.1.13. The Govt. reserves the right to inspect the centers of the Tenderers already in operation for verification purposes.

- 4.1.14. The Government reserves the right to negotiate further reduction of rates as quoted in the tender.
- 4.1.15. The implementation schedule specified in the Contract should be strictly adhered to.
- 4.1.16. Bank guarantee: Bank guarantee will be @ Rs.15,000/- per School to be given in consolidated form in respect of all allotted schools.
- 4.1.17. (a) State Project Office: The contracting IT Company will have to establish a state project office in the Directorate of Higher Education. The space for this will be provided by the Directorate of Higher Education. A whole time State Project Officer will have to be posted in this office by the company to coordinate with the state IT-Cell of the Department of Higher Education. This office is to be equipped by the Company with two systems alongwith 1 Laser Printer and UPS etc.
- (b) Liaison Officers: The contracting IT Company shall have to provide qualified IT-professionals as Liaison officers @ one for every district. They will co-ordinate with the district IT-Cells of the department in the office of the Deputy Director of Higher Education, of the concerned districts. The contracting IT Company shall provide one Computer System, Printer, UPS and complete addresses of these officials to the concerned Dy. Directors of Higher Education at district headquarters.
- 4.1.18. Penalty clause: In case of default in services by the concerned company the penalty on the following rates will be imposed by the Principal on monthly basis as mentioned below:-
- (i) Penalty @ Rs.200/- per period shall be imposed for every theory /practical period missed by the Company due to the absence of IT- teacher for more than two teaching days continuously. A teacher may be allowed 15 days leave in a

year and not more than two days leave at a time. However, if the teacher remains absent due to any reason, whatsoever, and the Company fails to provide a substitute IT-teacher after two days, then, the penalty so imposed will be calculated from the day one.

- (ii) Penalty @ Rs.100 per system per practical session shall be imposed for a system going down for more than two days continuously. If the Company fails to make the system (computer/ printer/ UPS etc.) functional within two days, then, the penalty shall be calculated from the day one. Downtime of the machines will be calculated only if the company does not maintain the machine student ratio of 1:4.
- (iii) Penalty @ Rs. 100/- per day will be imposed on the company, if proper networking (means that all the systems installed are interconnected through a LAN/server computer, with an access to printer and share a single internet account) of computers is not operational for more than two days continuously, irrespective of the number of computers not available on the network. If the Company fails to make the networking operational within two days, then, the penalty shall be calculated from the day one.
- (iv) Penalty @ Rs. 100/- per day will be imposed on the company, if Internet facility is not provided/not functional in a school for more than two days continuously. If the Company fails to make functional the Internet facility operational within two days, then, the penalty shall be calculated from the day one. This clause is not to be invoked, if ISP (Internet Service Provider) is not available in that particular area, where the concerned school is situated.

- (v) The complaints regarding absence of the IT-teacher/ system failure/ non-functioning of networking and Internet as mentioned in sub-clauses (i) to (iv) above, will be made by the principal concerned to Liaison Officer/ State Project Office of the contracting IT Company with an intimation to the District Nodal Officer (IT) of the Deptt. on telephone as well as in writing. The State Project Office/ Liaison Officer/ Distt. Nodal Officer (IT) shall give a complaint number in turn to the Principal to ensure the proper maintenance of record.
- (vi) The penalty so imposed shall be calculated either on teacher or machine down basis whichever is higher on a particular day.
- (vii) The concerned Principal of the school will inform the Company regarding imposition of the penalty due to the reasons as mentioned in sub-clauses (i) to (vi) above, within seven days of the imposition of the penalty, under an intimation to the Distt. Nodal Officer (IT) as well as to the Directorate of Higher Education in writing, in which the penalty-period, penalty amount and reasons/grounds pertaining to the imposition of penalty are to be mentioned clearly.
- (viii) In case the penalty amount exceeds the cost of the component (not the whole computer system) on which the penalty is being imposed, the institution is authorised to purchase it from the open market through a "Purchase Committee" under the Chairmanship of the Principal concerned having two more members out of the school faculty on seniority basis. Intimation regarding the purchase alongwith the original vouchers will be submitted to the State Project Office of the IT Company with a copy of information to the Nodal Officer (IT) of the district concerned. The contracting company may verify

the authenticity of the purchase so made subsequently. However, the default component will be the property of the company and they can take away this component.

- (ix) The company will be construed to be in default in respect of a school if the cumulative penalty amount in a month becomes equal to Rs. 9000/- or more. If at any time, the Company defaults in 15% or more than 15% of the total Schools allotted to it, then, the whole amount of Bank guarantee of the Tenderer will be forfeited.
- (x) The company has to complete the total task of teaching of 60 hours theory and 60 hours practical for the classes XI & XII and 30 hours theory and 60 hours practical for the classes IX & X, by 31st of Dec. in case of winter closing schools and by 15th of Feb. in case of summer closing schools every year. If by the end of academic year, the company fails to complete this task in 15 % or more than 15% of the allotted schools then the action under sub-clause-(ix) above will apply.
- (xi) The penalty imposed, for a month would be recovered from the fees due to be paid to the company. The penalty amount will be kept in the IT Fund account to be opened separately by the Principal and the proper entry in the cash book be made in this regard under intimation to the Distt. Nodal Officer (IT) as well as Directorate of Higher Education. A separate penalty account is to be maintained in which penalty amount is to be kept. In case the penalty amount exceeds the due fees, the balance will be recovered from the fee collected for the subsequent month(s). In case the balance amount is still not paid within 3 months of being informed, then the company would be in default in that school and its bank guarantee for that school will be invoked. But the company still will be

under obligation to start IT Education in that school by depositing a new bank guarantee for that particular school failing which it will amount to default in that school.

4.1.19. Academic session: The Company shall be liable to teach throughout the year. However, academic session starts w.e.f. 1st April in summer closing schools and w.e.f. 15th Feb., in winter closing schools for IX and X classes and w.e.f 1st April for XI and XII classes. These are subject to change from time to time at the discretion of the State Govt.

4.1.20. Monitoring of the Schemes: The scheme will be monitored monthly at the following three levels:-

Institutional Level: At the Institutional level, the Principal of the concerned school shall monitor the scheme on monthly basis. Fee to the concerned company will be paid by the department through the Principal of the concerned school by 15th of the succeeding month after deducting all the recurring expenses (e.g. Electricity Bills, Internet charges, Stationary etc.) incurred during the previous month.

District Level: Nodal Officers (IT) posted in the offices of the Deputy Directors of Hr. Education of the concerned districts shall monitor the scheme at the District level by making regular inspections to the schools and by getting feedback from the school Principals. The Nodal Officers (IT) will also have to maintain a complaint register to note down the complaints from the schools and get them rectified from the concerned company.

State Level: The IT-cell in the Directorate of Higher Education shall monitor the scheme in the state by getting feedback from Nodal Officers (IT) posted in the districts.

4.1.21. Payment of fees: Fees will be collected by the Office of the Principal of the concerned school and paid to the concerned company within 15 days of the collection, failing which the concerned Principal will be held responsible for deviation of duty.

Grounds/reasons for withholding IT-Fee must be clearly spelt out by the concerned school Principal. In case of deductions being made from IT-Fee collected, the reasons for this action must be intimated to the Distt. Nodal Officer (IT) as well as Directorate of Hr. Education in writing. In case the IT-Fee is withheld without any valid reason/extraneous arguments, the concerned Principal will be held responsible for the consequences that may arise as a result of this action on his part.

The I.T Education services shall actually be deemed to have been started on the actual date of Infrastructure creation and delivery of such services in respective schools and the fee shall also become due from such date. However from the subsequent session i.e. 2009-10 & 2010-11, the fee shall be collected for the full 12 months.

4.1.22. Syllabus and Reading Material: The Syllabus has been prescribed by the HP Board of School Education Dharamsala. The total curriculum shall be designed for 60 hours of theory and 60 hours of practicals for XI & XII and 30 hours of theory and 60 hours of practical for IX and X. Notes as per prescribed syllabus will be provided by Company to each student enrolled in the subject

4.2. STANDARDS:

- The services provided under this contract shall conform to the standard mentioned in the fine-tuned Technical Specifications, and when no applicable standards are mentioned, to the authoritative standards.

4.3 EXECUTION OF THE CONTRACT AWARDED:

4.3.1 The completion period of the said tasks should be adhered to as will be mentioned in the Award of Contract.

a.) The I.T Education services shall actually be deemed to have been started on the actual date of Infrastructure creation and

delivery of such services in respective schools and the fee also become due from such date.

b.) The company will install required infrastructure in the schools, within a period of 40 days from the date of signing of agreement/MOU.

4.4. STANDARD OF PERFORMANCE

4.4.1. The qualified Tenderer shall carry out the services and carry out its obligations under the contract with due diligence, efficiency and economy in accordance with generally accepted norms techniques and practices used in the industry. The Tenderer shall also adhere to professional engineering and consulting standards recognized by international professional bodies and shall observe sound management, technical and engineering practices. The Tenderer shall employ appropriate advanced technology and safe and effective equipment, machinery, material and methods. The Tenderer shall always act in respect of any matter relating to this contract, as faithful advisors to the Government and shall, at all times, support and safeguard the Governments legitimate interests in any dealings with the third party.

4.4.2. The performance of the awardee shall be monitored by devising an appropriate mechanism and the State Government reserves the right to cancel the contract at any time if the performance is not up to the mark, after affording adequate opportunity to the party in this regard.

4.5. USE OF CONTRACT DOCUMENTS AND INFORMATION:

4.5.1. The qualified Tenderer shall not, without the Government's prior written consent, disclose the contract or any provision thereof, or any specification, plan, drawing, pattern, sample or information furnished by or on behalf of Government in connection therewith to

any person other than a person employed by the consultant in the performance of the contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.

4.5.2. The qualified Tenderer shall not without the Government's prior written consent, makes use of any document or information.

4.5.3. Any document other than the contract itself shall remain the property of the Government and shall be returned (in all copies) to the Government on completion of the qualified Tenderer performance under the contract, if so required by the Government.

4.6. EARNEST MONEY & SECURITY:

4.6.1. The Tenderer must deposit Earnest Money, along with tender document, Rs. 3 Lacs in the form of Bank Draft in favour of Director of Higher Education, Himachal Pradesh, Shimla payable at Shimla.

4.7. TERMINATION FOR DEFAULT:

4.7.1. The Government may, without prejudice, to any other remedy for breach of contract, by written notice of default sent to the contractor, terminate the contract in whole or in part if:

- The qualified Tenderer fails to deliver any or all of the obligations within the time period (s) specified in the contract, or any extension thereof granted by the Government.
- The qualified Tenderer fails to perform any other obligation(s) under the contract including the mechanism devised under clause 4.6 & 4.4.2
- the qualified Tenderer becomes, bankrupt or otherwise insolvent, provided that such termination will not prejudice or effect any right of action or remedy which has accrued thereafter to the Government.

- If the company defaults in 15 % or more than 15% of the allotted schools at any time the tender will be terminated.

In case of the termination of the contract for any of the reasons mentioned above, no compensation shall be due to the contractor/awardee and the entire infrastructure like instruction material, software, hardware, furniture, books and site installations etc. would become the property of the concerned School.

4.8. DOCUMENTS PREPARED BY THE CONTRACTOR TO BE THE PROPERTY OF THE GOVERNMENT

4.8.1. All plans, drawings, specifications, designs, data tables, presentations, reports and other documents prepared by the contractor in the execution of the contract shall become and remain the property of the Government, and before termination or expiration of this contract, the qualified Tenderer shall deliver all such documents to the Government alongwith the detailed inventory thereof.

4.9. CONFIDENTIALITY:

4.9.1. The contractor and its personnel shall not, either during the term or after expiration of this contract, disclose any proprietary or confidential information relating to the services, contract or the Government's business or operations without the prior written consent of the Government.

4.10. FORCE MAJEURE:

4.10.1. Notwithstanding the provisions of the tender, the contractor shall not be liable for forfeiture of its performance security, liquidated damages or termination for default, if and to the extent that, its delay in performance or other failure to perform its obligations under the contract is the result of an event of Force Majeure.

4.10.2. For purposes of this Clause, “Force Majeure” means an event beyond the control of the contractor and not involving the contractor and not involving the contractor’s fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Government either in its sovereign or contractual capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions and freight embargoes.

4.10.3. If a Force Majeure situation arises, the qualified tenderer shall promptly notify the Government in writing of such conditions and the cause thereof. Unless otherwise directed by the Government in writing, the contractor shall continue to perform its obligations under the contract as far as reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event. The Government may terminate this contract, by giving a written notice of minimum 30 days to the contractor, if as a result of Force Majeure, the contractor being unable to perform a material portion of the services for a period of more than 60 days.

4.11 GOVERNING LANGUAGE:

4.11.1. The contract shall be written in the language of the bid, as specified by the Government, in the Instructions to Tenderers. Subject to clause-3.6 of Section-III, that language version of the contract shall govern its interpretation. All correspondence and other documents pertaining to the contract, which are exchanged by the parties, shall be written in that same language.

4.12. OTHER CONDITIONS:

4.12.1 All disputes, differences, claims and demands arising under or pursuant to or touching the contract shall be referred to the Sole arbitrator i.e. Principal Secretary/ Secretary (Education) to the Govt.

of H.P. The award of sole arbitrator shall be final and binding on both the parties under the provision of Indian Arbitration and conciliation Act 1996 or by statutory modification reenactment thereof from the time being in force. Such arbitration shall be held at Shimla.

4.12.2 In all matters and disputes arising thereunder, the appropriate Courts at Shimla alone shall have jurisdiction to entertain and try them.

Section – V

BID PROPOSAL PROFORMAE

To

The Director of Higher Education
Himachal Pradesh Government
Lal Pani, Shimla-171001.

Subject : Proposal for providing I.T. Education Services to the Department of Higher Education, Himachal Pradesh Government.

Dear Sir,

1.0 We, the undersigned Tenderers, having read and examined in detail the specifications and all bidding documents in respect of providing I.T. Education Services, do hereby propose to provide I.T. Education Services as specified in the bidding document.

2.0 PRICE AND VALIDITY

2.1 All the rates mentioned in our proposal are in accordance with the terms as specified in bidding documents. All the prices and other terms and conditions of this proposal are valid for a period of 60 calendar days from the last date of submission of bids.

2.2 We do hereby confirm that our bid prices include all taxes including Income Tax & Professional Tax.

2.3 We have studied the Clauses relating to Indian Income Tax and hereby declare that if any Income Tax, Surcharge on Income Tax and any other Corporate Tax is altered under the law, we shall pay the same.

3.0 EARNEST MONEY

We have enclosed the earnest money in the form of Bank Draft amounting to Rupees Three Lacs only.

4.0 BID PRICING

We further declare that the RATES stated in our proposal are in accordance with your terms & conditions in the bidding document.

5.0 QUALIFYING DATA

We confirm having submitted in qualifying data as required by you in your tender document. In case you require any further information/documentary proof in this regard before evaluation of our bid, we agree to furnish the same in time to your satisfaction.

6.0 We hereby declare that our proposal is made in good faith, without collusion or fraud and the information contained in the proposal is true and correct to the best of our knowledge & belief.

Bid submitted by us is properly sealed and prepared so as to prevent any subsequent alteration and replacement.

We understand that you are not bound to accept the lowest or any bid you may receive.

Thanking you,

Yours faithfully,

(Signature)

Date :

Name :

Place :

Designation :

Business Address :

Seal :

SECTION-V

PRE-QUALIFICATION CUM TECHNICAL BID PROFORMAE

Proforma-I

BID PROPOSAL SHEET
GENERAL INFORMATION

a) Profile of the Bidder:

The Bidder should furnish the following details

1. Name of the Organisation :
2. Nature of the Organisation :
(Govt./Public/Private/Partnership/
Proprietorship)
3. Address with phone no, fax and email :
4. Detail of providing IT Education in Himachal Pradesh (if any)
(Proof should be furnished)
5. Number of Years of Operation :
In IT Education in India/Year of Establishment
(Proof should be furnished in the form
Of Incorporation Certificate or equivalent document)
6. Indicate the financing plan for this contract :
(Furnish supporting
Documents like Bankers letter or letter of financial institution
Or letter from finance company/lease finance
Institution or audited financial statement for
Proof of sufficient reserves.)
7. Average overall turnover of the bidder in last
three years. (Rs) (audited financial statement of the bidder should be
submitted as proof) :
8. Any other details in support of your offer :

As of this date the information furnished in all parts of this form is accurate and true to the best of my knowledge

Witnesses (2 Nos.):

Signature _____	Signature _____
Name _____	Name _____
Designation _____	Designation _____
Address _____	Address _____
Company _____	Company _____
Date _____	Date _____

Company Seal

(With name & designation of the person signing the tender)

Proforma-II

SPECIAL INFORMATION

1. Name of the organisation :
2. Address :
3. Annual turnover in IT Education
in India for last 3 years :
(In Indian Rupees)

Mention Year	Annual Turnover in India (Rs.)

Note: Copy of audited financial statement of the bidder should be submitted as proof. Only turnover of bidding Bidder will be taken into account, and not of associated or sister companies.

4. Details of Education Service providers in Himachal Pradesh (not mandatory for eligibility) :

S. No.	Education Service Providers	Address

Signature of the bidder with seal

5. Statement of Past Performance

Indicate prior experience in Government Schools IT Education Projects in India in the last three years i.e. upto 31/03/2008

(Order copy/agreement copy to be enclosed)

Year	Sr. No.	Govt. Department or organisation for which the services were provided	Contract No & Date	Description	No. of Schools Handled	Value of Contract	Period Of Performance
2005-06	1. 2. 3.						
2006-07	1. 2. 3.						
2007-08	1. 2. 3.						

Signature of the bidder with seal

6. STATEMENT OF EXPERIENCE IN IT Education

(Indicate prior experience with State Governments in India)

(Order copy/agreement copy to be enclosed)

S.No.	Number of State/UT with whom IT Education Project Under taken	Name of the States

Signature of the bidder with seal

Proforma-III

CHECKLIST FOR FULFILMENT OF ELIGIBILITY/ EVALUATION CRITERIA

Sl. No.	Precondition	Details of Documentary Proof to be attached	Details of the information (Rs. are to mentioned in lacs)	Documentary Proof Attached (Y/N) (Give Annexure No)
1.	The Bidder if providing IT Education in the state of H.P. proof thereof (The clause is however not mandatory for eligibility)	Copy of work order/invoice for carrying out training in Govt. or public sector/ Private Sector agencies in H.P	Number of school in H.P=	
2.	The Bidder should have a minimum turn over of atleast Rs. 10 (Ten) Crores per year in India in the last three years. (Copy of Audited Financial Statements should be submitted as proof)	For the last 3 years, Audited Financial Statements certified by Chartered Accountant, or Audited Annual Report.	Turnover of each year in last three year =	
3.	The Bidder should have executed School IT Education projects with Government within India, in minimum 350 schools per year in each of the last 3 yrs	Respective Organization / State Government letter indicating assignment of work	No. of Govt schools covered in each year= i.) ii.) iii.)	
4.	The Bidder will submit a letter from a financial institution that is willing to fund this project or should have sufficient reserves of atleast Rs 3 Crores as per the latest audited financial statement.	Letter from financial institution; or Audited Financial Statements certified by Chartered Accountant or Audited Annual Report indicating sufficient reserves.	Amount of reserves & surplus in the last balance sheet	
5.	The bidder if executing IT Education projects with State Governments/UTs in India, proof thereof(The clause is however not mandatory)	Respective State Governments/ UT letters/agreements indicating assignment of work	No. of State Governments/UTs	

Signature of the bidder with seal

Proforma-IV
IMPLEMENTATION SCHEDULE

Signing of Contract : Day 1

Completion of selection of Instructors, : 40 Days
preparation of Course Material, and starting
teaching in the schools

The above schedule of implementation is acceptable to us.

Signature of the bidder with seal

Note: the actual contract period will start from the days of signing of Contract.

Proforma-V

COMMERCIAL OFFER

The monthly fee to be charged per student uniformly, for class IX to XII students for all the Schools covered in the tender and for the period beginning from the current academic year i.e. 2008-09 and upto the end of the academic year 2010-2011 shall be as follows (Quote IT-Fee in figure as well as in words, If there is any difference in the Fee quoted in words and in figures then the amount in words will be taken as final):

Rs.
(In figures)

Rs.
(In words)

(Signature)/Seal

Syllabus in Information Technology

CLASS IX

THEORY

Topic	Periods		Marks	
	Theory	Practical	Theory	Practical
IT Basic	8	0	10	0
IT Tools	30	60	30	30
Windows	(8)	(15)		
MS-Office				
MS-Word	(8)	(15)		
MS – Power Point	(8)	(15)		
MS – Excel	(6)	(15)		
IT application	2	20	0	30
Total	40	80	40	60

UNIT – I : BASIC

Convergence of Technology

Computer System:

Characteristics of a computer, Basic applications of a computer, Components of a computer system- Central processing unit (CPU), Visual Display Unit (VDU), Keyboard.

Concept of memory:

Primary and Secondary Memory, RAM and ROM, Unit of Memory – Byte, Kilobyte, Megabyte, Gigabyte, Terabyte.

Input/ Output Device:

Mouse, Joy sticks, Scanner, Microphone, OCR, MICR, Light pen, Bar code Reader, Digital Camera, printer, speaker Plotter.

Storage Devices:

Computer languages:

Machine language, Assembly language and High Level Language, Role of Assembler and Compiler.

Type of Software:

System, Utility and Application software with example.

Communication Technology:

Need for networking, LAN, MAN and WAN.

Data for Communication Device: Modem

Introduction to Internet.

Content :

Data Information and multimedia,

UNIT –II: IT TOOLS

MS-Windows:

Basic concept of an Operating System and its function.

Introduction to Windows: using mouse and moving icons on the screen, My Computer, Recycle Bin, Task bar, Start Menu and menu selection, running an application, setting system date and time; Windows Explorer to view files, folders and directories, creating and renaming of files and folders, opening and closing of windows, Minimise, Restore and maximize forms of windows, Basic components of a Windows, Desktop, Frame, Title Bar, Menu Bar, Status Bar, Scroll Bars (Horizontal and Vertical), using right button of the Mouse, Basic Windows Accessories, Notepad, Paint, Calculator, Wordpad, using Clipboard;

MS-OFFICE

MS- Word:

Introduction to a Word Processor, Creating and saving a document, Editing and formatting a document: Text style(B.I.U), Font Type, Size, changing color. Alignment of text, formatting paragraphs with line or paragraph spacing, adding header and footer, numbering pages, using grammar and spell check utilities, using subscript and super script, inserting symbol, print preview, printing a document.

Inserting word art, clip art and pictures, page setting, bullets and numbering, border and shading, format painter, find & replace, inserting table, inserting, deleting rows and column, merging cells, splitting cells, using auto format, mail merge.

MS- Power Point:

Introduction to presentation graphics, understanding the concept of slide shows, basic elements of a slide, different type of slide layout, creating and saving a presentation, different views of slide; Normal view, slide sorter view and slide show, editing and formatting a slide; adding titles subtitles, text, background, water mark, header and footer, numbering slides

Inserting pictures from files, animating pictures and text with sound effects, timing text Box, pictures and slides, rehearse times, ungrouping and grouping pictures from clipart

MS-EXCEL:

Introduction to spreadsheet, concept of worksheet and workbook, creating and saving a work sheet, working with a spreadsheet; entering numbers, text, date/time, series using autofill, editing and formatting a worksheet including changing colour, size, font, alignment of text, inserting and deleting cells, rows and columns, formulae-entering a formula in a cell, using operators (+,-,x, /) in formulae, a relative referencing, absolute referencing and mixed referencing, printing a worksheet.

Using statistical functions: SUM(), AVG(), MAX(), MIN(), IF() without compound statements; inserting tables in worksheet, embedding charts of various types, lines, pie, scatter, bar and area in worksheet

21. INTRODUCTORY INFORMATION TECHNOLOGY

CLASS-X

Unitwise Periods / Weightage -theory and Practials

Unit Topic	Period		Marks	
	Theory	Practical	Theory	Practical
1. IT Basics	08	05	10	05
2. IT Tools MS-Office	17	30	30	30
MS -Access	(05)	(10)	(10)	(10)
HTML	(12)	(20)	(20)	(20)
3. IT Application	00	15	00	25
Total	25	50	40	60

THEORY

UNIT 1 : IT BASICS

Internet : World Wide Web, Web Servers, Web sites, Web Pages, web Browsers, HTML, Web address, Email address, URL, HTTP.

Services available on Internet : Information Retrieval, Electronic Mails, Locating sites using search engines and finding people on the net, Chat, Video Conferencing, FTP, Downloading and Uploading files from or two remote site, Newsgroup.

UNIT 2 : IT TOOLS

MS - Office

MS Access :

Basic Concepts and need for a database, creating a database, Setting the Primary Key, Entering data into a database, Inserting and deleting fields, Inserting and deleting Records, Data Validation : Field Size, Default Value Validation Rule, Validation Text, Required, Allow Zero Length.

HYPER TEXT MARKUPLANGUAGE

Basic Concept of Web Browsers with emphasis on popular browsers Internet Explorer and Netscape Navigator.

HTML Fundamentals :

Introduction to Web Page Designing using HTML, Creating and saving an HTML document, Elements in HTML Container and Empty elements, Designing web pages using the following elements : HTML, HEAD, TITLE, BODY (Attributes : BACKGROUND, BGCOLOUR, TEXT, LINK, ALINK, VLINK, LEFTMARGIN, TOPMARGIN), FONT (Attributes : COLOUR, SIZE, FACE)

Basefont (Attributes : COLOUR, SIZE, FACE), CENTER BR (Break) HR (Horizontal, Rule Attributes : SIZE, WIDTH, ALIGH, NOSHADE, COLOUR), COMMENTS ! for comments HI,,,,, H6 (Heading), P (Paragraph), B (Bold), I (Italics), U (Underline), UL & OL (Unorder List & Ordered List Attributes : Type start, LI (List Item), Insertion of images using the element IMG (Attributes : SRC, WIDTH, HEIGHT, ALT, ALIGN)

Internal and External Linking between Web Pages ; Signficance of linking, A- Anchor Element (Attributes NAME HREF, TITLE, ALT)

UNIT 3 : IT APPLICATIONS

Students are suggested to work on the following areas using Access and HTML on topics implementing the tools covered in the course.

Domains :**Datebase**

1. Personal Data Management System
2. Employee Payroll
3. Stock Inventory
4. Website Designing
5. Travel and Tourism
6. Rural India
7. Environment and Pollution

Note :

- I. Sample documents / presentations on the above are made available on CBSE CD-ROM
- II. Teachers are requested to demonstrate some other popular software for word processing. Presentation, Spreadsheet, Database Management, system which supports Hindi and / or some other Indian language (s) (Leap Office is an example of Office suit with Indian Language support)
- III. Students are suggested to prepare some document / presentations of their IT Application report file in India Language (s).

**CLASS-X
PRACTICALS**

Practical Paper Hours	Examination Duration 60	Marks 80	Period in year One	4
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(A) Hands on Experience (2 Exercises)**30 marks****Design of a Practical Questions Paper**

There is No pre-set questions paper provided by CBSE for conducting practical examination. This flexibility has been provided to give more freedom to the examiners for the improvement of practical examination, keeping in view the resources and other facilities available in the laboratory of the School. however, detailed instructions on the basis of syllabus, distribution of marks and conduction of practical examination have been provided. The examiner set the questions paper according to the prescribed curriculum and distribution of marks.

I. MS Access

8 marks

II. HTML

22 marks**I. MS Access : ***

A problem in MS Access related to some of the tools given below to be tested during the examination :

- (a) Creating and entering data into a database
- (b) Setting the primary key
- (c) Data Validation

II. HTML

A problem on Web Page designing (Minimum 2 Pages to be given which will cover some of the following HTML Elements :

- (a) <HTML>, <HEAD>, <TITLE>, <BODY>
- (b) Font styles : , <I>, <U>
- (c) FACE, SIZE
- (d) <CENTER>
- (e) <P> Align
- (f) <A>
- (g)
- (h) Comments : <!-->

The students are supposed to know the tools and style for designing domain specific webpages from real life applications and the topic mentioned in the syllabus.

Breakup of marks (HTML)

- (a) Visual Effect ; 8
- (b) Linking : 4
- (c) Coding : 10

*Printouts of the documents (s) should be attached with the answer sheet

(B) IT APPLICATION REPORT FILE

20 MARKS

Students are supposed to make a IT Applications Report File Containing Real life assignment / presentation using MS Access and HTML on topic from the domain :

Must have print outs of the following :

- (a) Documents of MS Access (At least 5)
- (b) HTML Source code along with browser view (At least 10)

(C) VIVA VOCE

10 MARKS

The questions can be asked from any portion of the syllabus covered during Class IX and Class X.

Note :— Teachers are suggested to give first-hand demonstration covering the aspects as : Connecting to internet, Using popular Search Engines, Web Browsing Opening E-mail Accounts, sending and Receiving E-mails, Downloading files and pictures.

Infrastructure

Following minimum infrastructure requirement is suggested keeping in view of the existing infrastructure

Software :

- (a) Win 96 +
- (b) MS -Office 95+
- (c) Leap Office 2000
- (d) Netscape Navigator
- (e) Internet Explorer

Minimum hardware requirement :

- (a) 486 Multimedia Machine
- (b) 16 MB RAM
- (c) 4.3 GB HDD

Internet Connection :

- (a) TCP / IP
- (b) Student Machine Ratio : 2 : 1

Teacher's Qualification :

- (a) Graduate (B.Sc. Comp)
- (b) Graduate With 'A' Level
- (c) Graduate with PGDCA (Minimum 1 and half years) from a recognized institute / university

Magazine / Journal / Video Film

- (a) PC Quest
- (b) Chip
- (c) PC World
- (d) Computer @ Home
- (e) Computer Today
- (f) Microsoft training Software
- (g) C-DAC'S ADIT Course Material

INFORMATICS PRACTICES

CLASS-XI

Code No 191

Theory

Duration : 3 hours Total Marks : 70

Unit No Unit Name Marks

1. COMPUTER SYSTEM AND BUSINESS APPLICATIONS	10
2. INTRODUCTION TO PROGRAMMING	30
3. RELATIONAL DATABASE MANAGEMENT SYSTEM	30
	70

Unit I : Computer System and Business Applications

Evolution of computers; Basics of computer and its operation: Functional Components and their inter-connections, concept of Booting;

Hardware concepts;

Diagram illustrating main parts of computers;

Central Processing Unit (CPU) : Arithmetic Logic Unit (ALU), Control Unit, Memory Unit (RAM-Random Access Memory & ROM - Read Only Memory)

Role of Input, Processing and Output Devices in a computer system.

Input devices : Keyboard, Mouse, Light pen, Touch Screens, Graphics Tablets, Joystick, Mic, MICR, OCR, Scanner, Smart Card reader, Barcode reader, Biometric sensor, web camera, digital camera;

Output Devices : Monitor/Visual Display Unit (VDU), Printer (Dot Matrix Printer, Desk jet/Ink Jet/ Bubble Jet Printer, Laser Printer), Plotter, Speaker).

Secondary Storage Devices : Floppy Disk, Hard Disk, Compact Disk, Magnetic Tape, Digital Video Disk (DVD), Zip Drive; Units of Memory: Bit (Binary Digit), Byte, Kilobyte), Megabyte, Gigabyte.

Software Concepts :

Types of Software : System Software, Utility Software and Application Software.

System Software : Operating System, Language Compilers, Interpreters and Assembler;

Operating System : Need of operating systems, Functions of Operating System Types of operating system.

Utility Software : Compression tools, Anti Virus, File Management tools and Disk Management

Application Software as a tool : Word Processor, Presentation Tool, Spreadsheet Package, Database Management System; Business software (for example: Inventory Management System, Payroll System, Financial Accounting, Hotel Management, and Reservation System);

Development of programming languages - Machine Language, Assembly Language, High Level Language (BASIC, COBOL, FORTRAN, PASCAL, C++); GUI based language - Visual Basic Visual C++; C#, Java, vb.net.

GUI Operating System

Important : Students/Teachers can also perform similar operation on any operating system. It is advised that the teacher while using any one operating system, give a demonstration of equivalent features for the other operating system.

Windows

General features, Elements of Desktop - Taskbar, Icon, Start button, Shortcuts, Folder, Recycle Bin, My Computer;

Tender document to continue IT Education in Govt. Sr. Sec. Schools in Himachal Pradesh

Start Menu : Program, Documents, Settings, Find/Search, Help, Run, Shut Down/Log off; Customization of Taskbar, start menu, Display properties (Wallpaper, Font Settings, Colour Settings, Screen Savers);

Program Menu : Accessories - Calculator, Notepad, Paint, Word Pad, Entertainments (CD Player, Sound Recorder, Media Player, Volume (Controller); Internet Browsers – Mozilla Firefox, internet Explorer, Netscape Navigator.

Control Panel : Add new hardware; Add new Software, Printer Installation, Date/Time, Mouse, and Regional Settings :

Documentation

Purpose of using word processing software, opening a new/existing document, closing a document, typing in a document, saving a document, print preview, printing a document, setting up of page as per the specifications, selecting a portion of document, copying selected text, cutting selected text, pasting selected text; changing font, size, style, colour of text; Inserting symbol; Formatting: Alignment – Left, Right, Center; Justification :

Industries and Business Computing : Types of Industries (Production, Shipping, Travel, Hotel, Insurance, Construction, Automobile), Applications of Business Computing in Industries.

Unit 2 : Introduction to Programming

Programming Methodology :

General Concepts; Modular approach; Stylistic Guidelines: Clarity and Simplicity of Expressions, Names, Comments, Indentation; Documentation and Program Maintenance; Running and Debugging programs, Syntax Errors, Run-Time Errors, Logical Errors;

Problem Solving Methodology and Techniques: Understanding of the problem, Identifying minimum number of inputs required for output, Step by step solution for the problem, breaking down solution into simple steps, Identification of arithmetic and logical operations required for solution, Using Control Structure: Conditional control and looping (finite and infinite);

Programming Tool : Visual Basic

Introduction to Programming – Modular Programming, Object Oriented Programming, Event Driven Programming.

About Visual Basic (Object Based Programming Language), Rapid Application Development using Visual Basic; Concept of Project in Visual Basic, VB Project Options – Standard EXE, Active X DLL, Active X EXE, Active X Control, Active X Document DLL, Active X Document EXE, Addin, VB Application Wizard, IIS Application, DHTML Application;

Getting Familiar with Visual Basic User Interface-Pull-Down menus, Toolbar, Toolbox, Project Explorer, Properties Window, Form Layout window, Form, Immediate window;

Opening and Closing windows, Resizing and moving windows, Docking windows; Quitting Visual Basic;

Visual Basic Tool Box (Standard Window Controls) - Pointer, Picture Box, Label, Text Box, Frame, Command Button, Check Box, Option Button, Combo Box, List Box, Horizontal Scrollbar, Vertical Scrollbar, Timer, Drive List box, Directory List box, File List box, Shape, Line, Image, Data, OLE; Object Naming Conventions, Event Procedures;

Programming Fundamentals

Data Types : Integer, Long, Single, Double, Currency, String, Byte, Boolean, Data, Object, Variant;

Variables : Need to use variable, Declaring Variables, Variable Naming Convention, Assigning value to variables, Data Types of variable, Scope and lifetime of Variables (Public and Private);

Control Structures :

Decision Structure - IF, IF- THEN-ELSE, Select Case ;

Looping Structure - Do WhileLoop, DoLoop While, For..... Next, For each Next;

Menu Editor : Concept of Menus, Shortcut menus and Popup menus Designing Menu System, Menu Editor Dialog Box Options (Name, Index, Shortcut, Help Context ID, Negotiate Position, Checked, Enabled, Visible, Window List, Right Arrow, Left Arrow, Up Arrow, Down Arrow, Menu List, Next, Insert, Delete, OK, Cancel), To Create Menu Controls in the Menu Editor,

Menu Naming Conventions, Setting the Name Property, Creating a Menu Control Array, Creating Sub Menus, Separating Menu Controls, Assigning Access Keys and Shortcut Keys, Controlling Menus at Runtime-Enabling and Disabling Menu Commands, Displaying a Checkmark on a Menu Control, Making a Menu Control Invisible, Adding Menu Control at Runtime, Displaying Pop-Up Menu;

General Controls (Advance) : Image List, Common Dialog Box, ADO DC, DB Combo, Media Player Control, DB Grid;

Adding a Toolbar; Creating an Image List, Adding Images to the Toolbar, To Add Code for the Toolbar Buttons;

Adding Status Bar: Adding Status Bar panels, Adding Time on the panel.

Dialog Boxes : Pre-defined dialog box, Custom dialog box;

UNIT 3 : RELATIONAL DATABASE MANAGEMENT SYSTEM

Database Management System

Introduction to database concepts : Relation/Table, attribute, Tuple/Rows, field, Data, Concept of String, Number and Data values, Data type and Data Integrity (Domain and Referential Integrity). Candidate key, Alternate Key, Primary Key, Foreign Keys; Data Normalization-first, second, third, BCNF normal form; Examples of Commercially available Database Management System's (Back-End) – Oracle, MS-SQL Server, DB2, MySQL, Sybase, INGRES.

Examples of Front End Software's : Oracle Developer, Visual Basic, Visual C++, Power Builder, Delphi;

RDBMS Tool :

Interface with oracle, Login Screen, Entering Name and Password;

Classification of SQL Statements : DML (SELECT, INSERT, UPDATE,DELETE), DDL (CREATE, DROP, ALTER, RENAME, TRUNCATE), DCL (GRANT, REVOKE), TCL (COMMIT, ROLLBACK); SQL SELECT Statement : SQL SELECT statement, Selecting All the Columns, Selecting Specific Column, Column Heading Default, Using Arithmetic Operators, Operator Precedence, Significance of NULL value, NULL values in Arithmetic Expressions, Defining and using Column Alias, Concatenation Operation (||), Duplicate rows and their Elimination (DISTINCT keyword), Role of SQL and SQL* Plus in interacting with RDBMS, Displaying Table Structure (DESC command);

SELECT Statement Continued: Limiting Rows during selection (using WHERE clause), Working with Character Strings and Dates, Using Comparison operators, BETWEEN Operators, IN Operator, LIKE Operator, IS NULL Comparison, Logical Operators, Use of Logical Operators (AND/OR/NOT Operators), Logical Operator Precedence, ORDER BY Clause, Sorting in Ascending/Descending Order, Sorting By Column Alias Name, Sorting On Multiple Columns ;

Functions : SQL Functions, Types of SQL Function (Single Row/Multiple Row), Single Row SQL Functions, Character Functions (Case Conversion/Character Manipulation), Case Conversion Functions (lower (), InitCap (),UPPER ()) Character Manipulation Function (CONCAT(), INSTR(), LENGTH(),TRIM(), SUBSTR(), LPAD()), Number Functions (ROUND(), TRUNC(),MOD()), Working with Dates (LAST_DAY(), MONTHS_BETWEEN(),

NEXT_DAY(), ADD_MONTHS(), ROUND(), TRUNC()) Arithmetic Operation on Dates, Date Functions and their Usage, Data type Conversion Functions,Implicit and Explicit Conversion, TO_CHAR Function with Dates, TO_CHAR Function for Numbers. TO_NUMBER and TO_DATE Functions, NVL Function and its Usage, DECODE Function and its Usage;

Grouping Records : Concept of Grouping Records and Nested Grouping, Nested Grouping of records, Group Functions, Types of group functions (MAX(), MIN(), AVG(), SUM(), COUNT()), Using AVG and Sum Functions, Using MIN and MAX Functions, Using the COUNT Function, using COUNT(*), DISTINCT clause with COUNT, Group Functions and Null Values, Using NVL Function with Group

Functions, Grouping Records; Group by Clause, Grouping By More than One Column, Illegal Queries with Group By Clause, Excluding Group Results: Having Clause, Nesting Group Functions,

Sub Queries : Concept of Sub-Query, Sub Query to Solve a Problem, Guidelines for Using Sub Queries, Types of Sub-Queries (Single Row and Multiple Row) and (Single Column and Multiple Column); Single Row Sub-Query and its Execution;

Displaying Data From Multiple Tables : Concept of Join, Result of Join, Cartesian Product and Generating Cartesian Product example using Mathematical Set), Types of joins (EQUI, SELF, NON-EQUI, OUTER (LEFT and RIGHT)), Equi-join : Retrieving Records with Equi-join, Additional Search Conditions using AND operator, Short Naming Convention for Tables (Table Aliases), Non-Equi join and its Implementation, Out-Join and Its Usage, Self-Join (Joining a table to itself);

Manipulating Data of A Table/Relation; Concept of DML (Data Manipulation Language), INSERT Statement, Inserting New Rows, Inserting New Rows with Null Values, Inserting Date Values, Use of Substitution Variable to Insert Values, Copying Rows From Another Table, Update Statement to Change Existing Data of a Table, Updating Rows In A Table, Updating Rows Based on Another Table, Delete statement/Removing Row/Rows from a Table, Deleting Rows Based on condition from another Table. Making Data Manipulation Permanent (COMMIT). Undo Data Manipulation Changes (ROLLBACK).

Database Objects : View, Table, Sequence, index, and Synonyms, DDL (Data Definition Language), Naming Convention, Creating Views, Creating Synonyms, Simple Views and Complex Views, Retrieving Data From a View, Querying a View, Modifying a View.

Including Constraints : Constraints, Concept of using Constraints, Constraint Guidelines, Defining Constraints, NOT NULL, UNIQUE KEY, PRIMARY KEY, FOREIGN KEY, FOREIGN KEY Constraint Keywords, CHECK, Adding a Constraint, Dropping a Constraint, Disabling Constraints, Enabling Constraints, Viewing Constraints, Viewing The Columns, Associated with Constraints;

Creation of a Table/Relation; CREATE TABLE Statement, Data types, The DEFAULT option, Creating Tables. Referencing Another User's Tables, Querying the Database Dictionary to view all tables in the Oracle Database, Creating a Table by using a Sub-Query;

Managing Existing Tables and other Database Objects : The ALTER TABLE Statement, Adding a New Column in a Table. Modifying Existing Column, Dropping a Column, Renaming an Object, Truncating a Table, Adding Comments to a Table, Dropping Views, Dropping Synonyms, Dropping Tables; giving permission to other users to work on Created Tables and Revoking it (GRANT and REVOKE statement).

5. INFORMATICE PRACTICES

CLASS XII (Theory)

Duration : 3 hours Total Marks : 70

Unit No. Unit Name Marks

1. BUSINESS COMPUTING 10

2. PROGRAMMING 30

3. RELATIONAL DATABASE MANAGEMENT SYSTEM 30

70

Unit 1 : Business Computing

General concept, User interfaces (Front End), Underlying Database (Back End), Integration of User Interface and Database;

More application areas of Databases : Inventory control, Financial Accounting, Pay-Accounting System, Invoicing Management System, Personal Management System / HRD System, Fees Management System, Result Analysis System, Admission Management System, Income Tax Management System;

Advanced Program Development Methodology; System Development Life Cycle, Relational Database Concept, Relational Database, Management System, Data Models (Entity Relationship Model), Entity and Entity Set, Attributes (Single, Composite and Multi-Valued), Relationship (One-to-One, One-to-Many and Many-to-Many), Entity Relationship Modeling Conventions, Communicating with as RDBMS using SQL, Relational Database Management System, SQL Statements, About programming language in SQL.

Data Dictionary, Data Warehousing, Data Mining, Meta Data;

Object Modeling; Introduction to object oriented modeling using Unified Modeling Language (Concepts only).

Client Server Computing: Concept of Client Server Computing.

Unit 2 : Programming : Visual Basic

Review of Class XI:

PROGRAMMING FUNDAMENTALS

Modules : Modules in Visual Basic-Form Modules, Standard Modules, and Class Modules;

Procedures : Procedures (General, Event, Function, Property);

Control Structures :

Decision Structure – IF, IF-THEN-ELSE, Select Case;

Looping Structure-Do While...Loop, Do...Loop While, for...Next, For Each...Next;

Functions : Concept of Functions, Defining and Use of User Defined Functions, function to perform calculations, Parametrized Functions;

Library Functions (System Functions)

String Function : Space(), Str(), Right(), Left(), Mid(), InStr(), Len(), Ltrim(), Rtrim(), Ucase(), I case(), String();

Numeric Function : Sgn(), Val(), Rnd(), Int();

Time-Related Function; Now(), Time(), Minute(), Month();

Miscellaneous Function : MsgBox(), InputBox();

Types of forms: Single Document Interface (SDI) and Multiple Document Interface (MDI);

MDI Applications : Creating MDI from and child form, Arranging Child Forms;

Visual Basic Project; Properties, Components and References, Data Environment;

Accessing database from ORACLE using ODBC or ADO or OLEDB;

Accessing Databases : Using ODBC and OLEDB to connect with database.

Data Control : Accessing Data with the Data Control, Using Data-Aware Controls, Using Data Control Properties – Database Name, Exclusive, Options, Read Only, Record Source, Data Control Methods – Refresh, Update Controls, Update Record;

Bound Controls : Adding Bound Text and Bound Label Controls. Data-Bound list Boxes, Grids, and Sub-Forms.

ADO (Active X Data Objects) : Connection Object, Command Object, and RecordSet Object, Special ADO Properties – Connection String, Command Text, Command Type, Cursor Locations, Cursor Types, Lock Types, Mode Types.

ADO Data Control : ADO Data Control Methods. ADO Data Control Events.

Data Reports: Designing of Report, Data Project, Data Environment and Connection, Simple Data Report, Formatting Row Spacing and Column Spacing of Report, Inserting Header and Footer, Inserting Controls, Creating Reports using SQL Queries,

Error Handling : The Error Object Properties, Types of Errors – General File Errors, Physical Media Errors, Program Code Error, and Database Error.

Unit 3 : Relational DataBase Management System

Review of ORACLE from Class XI

Database Fundamentals

Concept of Database Transaction, Committing a Transaction, Concept of “All or None” in a Transaction, Network Protocols Required (TCP/IP) for Data Communication, Stored Procedures, Concept of Database Fragmentation and Distribution Databases.

PL/SQL (Programming Language in SQL)

Importance of Writing Procedures,

Declaring Variable : About PL/SQL, PL/SQL Block Structure, Program Constructs, Use of Variables, Handling Variables in PL/SQL, Types of Variables, Declaration, Naming Rules, Assigning Values to Variables. Initialization and Keywords, Scalar Data types, Base Scalar Data Types, Scalar Variable Declaration, % TYPE attribute: for variable declaration, Declaring Boolean Variables, PL/SQL Record Structure, Referencing Non-PL/SQL variables, DBMS_OUTPUT.PUT_LINE.;

Writing Executable Statements : PL/SQL Block Syntax and Guidelines, SQL functions in Code, SQL Functions in PL/SQL, PL/SQL Functions, Data type Conversion, Nested Blocks and Variable Scope, Operators in PL/SQL, Using Bind Variables, Programming Guidelines, Determining Variable Scope, SQL Statements in PL/SQL, Retrieving data in PL/SQL. Manipulating Data using PL/SQL, Inserting Data, Updating Data, Deleting Data, Naming Conventions, Commit and Rollback Statements, SQL Cursor, and Cursor Attributes;

Writing Control Structures : Controlling PL/SQL Flow of Execution, IF statements, IF-THEN-ELSE Statement Execution Flow, IF-THEN-ELSEIF Statement Execution Flow, Building Logical Conditions, Logic Tables, Boolean Conditions, Iterative Control; LOOP Statement, Basic Loop, FOR Loop, While Loop;

Creating Procedures : Overview of Procedures, Syntax for Creating Procedures, Developing Stored Procedures and its Advantages, Creating a Stored Procedure, Procedure Parameter Modes, Creating Procedures with Parameters, IN and OUT parameters and Usage, DEFAULT Option for Parameters, Removing Stored Procedures;

Writing Cursors : Introduction to Cursors (Implicit and Explicit), Explicit Cursor Functions, Controlling Explicit Cursors, Declaring, Opening and Closing the Cursor, Fetching data from the Cursor, Explicit Cursor Attributes (%ISOPEN, %NOTFOUND, %ROWCOUNT), controlling multiple fetches, Cursors and Records, Cursor FOR Loops, Cursor FOR Loops using Sub Queries.

Triggers : Types of Triggers : Row-Level Triggers, Statement Level Triggers, BEFORE and AFTER Triggers, INSTEAD of Triggers, Valid Trigger Type, Trigger Syntax, Combining Trigger Types, Enabling and Disabling Trigger, Replacing Trigger, Dropping a Trigger.

Development of Data Base Applications (Application Domain) :

Student database for School, Employee database for a company, Library Database for Library.

Student database management system for school, Employee database management system for a company, Library Database management system for Library, Railway Reservation System, Hotel Reservation, Inventory Control System;

Amendments in Tender Document after Pre-bid meeting held on 24/05/2008.

Sr. No.	Page No	Existing Section / clause	Amended Clause
1.	5/49 37/49	Section -I, Clause 1.6 Execution of the contract period: - 40 Days. Section V Proforma- IV	40 days for 588 GSSS in which IT-Education is operational, additional 20 days will be given for all New schools where IT Education is to be started afresh.
2.	1/49 6/49 9/49 18/49 24/49 38/49	Title Page April 2008 to 2011 Section-II Clause 2.1.1, 2.2.4, 2.2.5(a) Section -IV Clause 4.1.9, 4.1.21 Section-V Proforma V	The Project duration has been extended upto 31 st March, 2012
3.	7/49	Section-II Clause 2.1.3 (a & b) Equip each school with branded machines	Equip each school with one of the following brands: i. HP ii. Compaq iii. ACER iv. HCL v. DELL vi. IBM vii. LENOVO The brand so opted shall be supplied to all the schools uniformly.
4.	7/49	Section-II Clause 2.1.3 (a) One Server computer :- Intel Core 2 Duo Processor E4500, Intel G31/Q33 Chipset, 1 GB RAM, 80 GB HDD, 15" Color Monitor, COMBO Drive , FDD, LAN Card, USB Optical Mouse, USB Keyboard	One Server computer :- Intel Core 2 Duo Processor E4500, Intel G31/Q33 Chipset, 1 GB RAM, 80 GB HDD, 15" Color Monitor, COMBO Drive , LAN Card, USB Optical Mouse, USB Keyboard, one set of speakers.
5.	7/49	Section-II Clause 2.1.3 (b) Client Computer:- Intel Dual Core Processor E2160, Intel 945 G/ G31 Chipset, 512 MB RAM, 80 GB HDD, 15" Color Monitor, COMBO Drive, FDD, USB Optical	Client Computer:- Intel Dual Core Processor E2160, Intel 945 G/ G31 Chipset, 512 MB RAM, 80 GB HDD, 15" Color Monitor, COMBO Drive, USB Optical Mouse, USB Keyboard

		Mouse, USB Keyboard	
6.	7/49	Section -II, Clause 2.1.3.(g) Printer Dot matrix (24 pin 136 col., 360cps). One printer for every 4 computers shall be provided by the contracting company. Additional computers i.e. upto 6 will be adjusted on the existing Printer and for the 7 th computer, next printer will be provided and so on, subject to the condition that irrespective of the number of computers in a school at least 1 printer per school shall have to be installed	One Wipro/EPSON/TVSE Dot matrix Printer (24 pin 136 col., 360cps) per school is to be provided by the contracting company but brand shall be uniform in all the schools.
7.	7/49	Section-II Clause 2.1.3 (d) Windows based Latest operating system for Server and Client (e) Licensed Software as per the syllabus	Department will issue necessary certificates to the successful bidder that the softwares will be used for educational purpose in Govt. Sr. Sec. Schools of the State on the specified number of client & server computers installed in schools.
8.	7/49	Section-II Clause 2.1.3 (h) UPS 625 VA per system or of higher specification/capacity as per the requirement	UPS 600 VA per system or of higher specification/capacity as per the requirement.
9.	8/49	Section-II Clause 2.1.3 (j) Furniture for IT Teacher, students and IT Lab where teaching of IT-subject is going to start afresh	Furniture for IT Teacher (table of iron frame with board top and chair of iron frame with cushioned seat & back), Furniture for students (stools of iron frame with board top of 12 mm) and Furniture for IT Lab (shelf of 19 mm board with sunmica top) in all 588 GSSS and all other Govt. Sr. Sec. Schools where IT education is to be

			started. The number of stools to be provided in each school for students shall be 1/4 th of the total IT-enrolment in the school. In case the enrolment increases the additional furniture will have to be provided.
10.	8/49	Section -II, Clause 2.1.3 (k) Preparation of site including flooring, deep-earthing / power point fitting.	Preparation of site including flooring (good quality ISI mark Poly Vinyl Flooring), deep-earthing / power point fitting
11.	8/49	Section-II Clause 2.1.4 The contracting company shall bear the recurring cost of distributing instructional material, consumables e.g. 3 floppies, 3 CDs per student per year	The contracting company shall bear the recurring cost of distributing instructional material, consumables e.g. one Re-writeable CD per student per year of one of the following brands (i. Sony ii. Moser Baer iii. Amkitte iv. Samsung)
12.	8/49	Section-II Clause 2.1.7 The contracting company shall provide 1 set of syllabus Books per class per school per year	Clause stands deleted.
13.	9/49	The entire infrastructure like instructional material, software, hardware, and site installation etc. would become the property of the concerned institution after 31/03/2011	The successful bidder has been exempted from installing new hardware in last year of the contract. The entire hardware installed upto 31/03/2011 will become the property of the concerned institution after the 31/03/2012. Rest of the conditions will remain same.
14.	10/49	Section -II Clause 2.2.7 Watch and ward will be the responsibility of the contracting company. The concerned institute shall not be held responsible for any loss of property.	Watch and ward will be the responsibility of the contracting company. The concerned institute shall not be held responsible for any loss of property. However, the school will install grills in windows of IT Lab.
15.	17/49	Section-IV Clause 4.1.7 (a) Such company must have the experience of currently employing at least 500 IT Teachers by proper contract license (Attach Proof)	Such company must have the experience of currently employing at least 500 IT Teachers by proper contract license as applicable. (Attach Proof)
16.	17/49	Section-IV Clause 4.1.7 (c)	The service period will be counted

		The service period will be counted since 2001 and for each teacher it will be calculated from the date of first appointment	only of those teachers who have been working in IT Education project in Himachal Pradesh since 2001 and for each teacher it will be calculated from the date of first appointment and limited to actual period worked.
17.	20/49	Section-IV Clause 4.1.18 (ii)Penalty @ Rs.100 per system per practical session shall be imposed for a system going down for more than two days continuously.	Penalty @ Rs.200 per system per day shall be imposed for a system going down for more than two days continuously.
18.	24/49	Section -IV Clause 4.1.21 Fees will be collected by the Office of the Principal of the concerned school and paid to the concerned company within 15 days of the collection, failing which the concerned Principal will held responsible for deviation of duty	Fees of a particular month will be collected by the Office of the Principal of the concerned school and paid to the concerned company upto 25 th of next month failing which the concerned Principal will held responsible for deviation of duty
19.	24/49	Section -IV Clause 4.1.22 The Syllabus has been prescribed by the HP Board of School Education Dharamsala The total curriculum shall be designed for 60 hours of theory and 60 hours of practicals for XI & XII and 30 hours of theory and 60 hours of practical for IX and X. Notes as per prescribed syllabus will be provided by Company to each student enrolled in the subject	The Syllabus has been prescribed by the HP Board of School Education Dharamsala. The total curriculum shall be designed for 60 hours of theory and 60 hours of practicals for XI & XII and 30 hours of theory and 60 hours of practical for IX and X.
20.	36/49	Section - V Proforma -III Sr. 5 The bidder if executing IT Education projects with State Governments/UTs in India, proof thereof(The clause is however not mandatory)	The bidder if executing IT Education projects with State Governments/UTs in India, proof thereof.
21.	38/49	Section - V Proforma - V	The monthly fee to be charged per

	<p>Commercial Offer The monthly fee to be charged per student uniformly, for class IX to XII students for all the Schools covered in the tender and for the period beginning from the current academic year i.e. 2008-09 and upto the end of the academic year 2010-2011 shall be as follows (Quote IT-Fee in figure as well as in words, If there is any difference in the Fee quoted in words and in figures then the amount in words will be taken as final):</p>	<p>student uniformly, for class IX to XII students for all the Schools covered in the tender and for the period beginning from the current academic year i.e. 2008-09 and upto the end of the academic year 2011-2012 shall be as follows (Quote IT-Fee in figure as well as in words, If there is any difference in the Fee quoted in words and in figures then the amount in words will be taken as final). The quoted fee rates should be inclusive of all taxes and levies etc.</p>
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Constituency wise List of 588 Government Senior Secondary Schools Running I.T. Education in Himachal Pradesh upto 31/03/2008.

Sr. No.	No.	Name of GSS School	Tehsil	Constituency
District Bilaspur				
1	1	GSSS Auhar	Ghumarwin	Bilaspur
2	2	GSSS Bassi	Naina Devi(ST)	Kot kehloor
3	3	GSSS Berthin	Jhandutta	Geharwin
4	4	GSSS Bhakra	Naina Devi(ST)	Kot kehloor
5	5	GSSS Bharari	Ghumarwin	Ghumarwin
6	6	GSSS Bilaspur(B)(U)	Bilaspur	Bilaspur
7	7	GSSS Bilaspur(G)(U)	Bilaspur	Bilaspur
8	8	GSSS Chalehli	Ghumarwin	Bilaspur
9	9	GSSS Dangar	Ghumarwin	Ghumarwin
10	10	GSSS Deoth	Kotkehloor	Kot kehloor
11	11	GSSS Gandhir	Jhandutta	Geharwin
12	12	GSSS Gehrwin	Jhandutta	Geharwin
13	13	GSSS Ghagas	Bilaspur	Bilaspur
14	14	GSSS Ghumarwin(U)	Ghumarwin	Ghumarwin
15	15	GSSS Hatwar	Ghumarwin	Ghumarwin
16	16	GSSS Jejwin	Jhandutta	Geharwin
17	17	GSSS Jhandutta	Jhandutta	Geharwin
18	18	GSSS Jukhala	Sadar	Kot kehloor
19	19	GSSS Kalol	Jhandutta	Geharwin
20	20	GSSS Kandraur	Sadar	Bilaspur
21	21	GSSS Kapahra	Ghumarwin	Ghumarwin
22	22	GSSS Koserian	Jhandutta	Geharwin
23	23	GSSS Kothipura(Rajpura)	Bilaspur	Kot kehloor
24	24	GSSS Kuthera(Bhel)	Ghumarwin	Ghumarwin
25	25	GSSS Morsinghi	Ghumarwin	Ghumarwin
26	26	GSSS Nalti	Ghumarwin	Ghumarwin
27	27	GSSS Namhole	Bilaspur	Kot kehloor
28	28	GSSS Panjgain	Bilaspur	Bilaspur
29	29	GSSS Rambagh(Barmana)	Bilaspur	Bilaspur
30	30	GSSS Samoh	Jhandutta	Geharwin
31	31	GSSS Soldha	Sadar	Kot kehloor
32	32	GSSS Swahan	Naina Devi(ST)	Kot kehloor
33	33	GSSS Talai(U)	Jhandutta	Geharwin
34	34	GSSS Talyana	Ghumarwin	Bilaspur
35	35	GSSS Tambol	Naina Devi	Kot kehloor
36	36	GSSS Zakatkhana	Naina Devi(ST)	Kot kehloor

District Chamba				
37	1	GSSS Bakani	Chamba	Chamba
38	2	GSSS Banikhet	Dalhousie	Banikhet
39	3	GSSS Bathree	Dalhousie	Banikhet
40	4	GSSS Bhalei	Salooni	Banikhet
41	5	GSSS Bharmour	Bharmour	Bharmour
42	6	GSSS Chakloo	Chamba	Rajnagar
43	7	GSSS Chamba(B)	Chamba	Chamba
44	8	GSSS Chamba(G)	Chamba	Chamba
45	9	GSSS Chaned	Chamba	Chamba
46	10	GSSS Chowari(U)	Bhattiyat	Bhattiyat
47	11	GSSS Dalhousie(U)	Dalhousie	Banikhet
48	12	GSSS Deur	Salooni	Banikhet
49	13	GSSS Dhulara	Sinhuta(ST)	Bhattiyat
50	14	GSSS Garola	Holi	Bharmour
51	15	GSSS Holi	Holi	Bharmour
52	16	GSSS Kakira(B)	Sihunta	Bhattiyat
53	17	GSSS Khani	Bharmour	Bharmour
54	18	GSSS Kiani	Chamba	Rajnagar
55	19	GSSS Manjeer	Salooni	Banikhet
56	20	GSSS Masroond	Chamba	Rajnagar
57	21	GSSS Mehla	Chamba	Bhattiyat
58	22	GSSS Salooni	Salooni	Banikhet
59	23	GSSS Sarol	Chamba	Rajnagar
60	24	GSSS Sherpur	Dalhausie	Banikhet
61	25	GSSS Sihunta	Sihunta	Bhattiyat
62	26	GSSS Sunara	Chamba	Chamba
63	27	GSSS Sundla	Salooni	Banikhet
64	28	GSSS Telka(Salwan)	Salooni	Banikhet
65	29	GSSS Tissa	Churah	Rajnagar
66	30	GSSS Tundi	Sinhuta(ST)	Bhattiyat

District Hamirpur				
67	1	GSSS Amlehar	Nadaun	Nadaun
68	2	GSSS Badhani	Bhoranj	Bamsan
69	3	GSSS Bagwara	Bhoranj	Bamsan
70	4	GSSS Bahanwin	Bhoranj	Mewa
71	5	GSSS Balduhak	Nadaun	Nadaun
72	6	GSSS Bani	Barsar	Nadaunta
73	7	GSSS Bara	Nadaun	Nadaun
74	8	GSSS Bhareri	Bhoranj	Mewa

75	9	GSSS Bhoranj	Bhoranj	Mewa
76	10	GSSS Bhota	Barsar	Mewa
77	11	GSSS Bhumpal(Sudhial)	Nadaun	Nadaun
78	12	GSSS Biar	Barsar	Nadaunta
79	13	GSSS Bijhari	Bijhari	Nadaunta
80	14	GSSS Bohni	Hamirpur	Bamsan
81	15	GSSS Chabutra	Sujanpur Tihra	Hamirpur
82	16	GSSS Chauri	Sujanpur Tihra	Hamirpur
83	17	GSSS Danghota	Bijharin (ST)	Nadaunta
84	18	GSSS Darbiar	Bhoranj	Bamsan
85	19	GSSS Dhaneta	Nadaun	Nadaun
86	20	GSSS Didwin	Hamirpur	Mewa
87	21	GSSS Gaarli	Datwal Vijharas	Nadaunta
88	22	GSSS Galore	Nadaun	Nadaun
89	23	GSSS Gauna	Nadaun	Nadaun
90	24	GSSS Giaragran	Barsar	Nadaunta
91	25	GSSS Hamirpur(B)(U)	Hamirpur	Hamirpur
92	26	GSSS Hamirpur(G)(U)	Hamirpur	Hamirpur
93	27	GSSS Jandru	Sujanpur Tihra	Bamsan
94	28	GSSS JangalBeri	Sujanpur Tihra	Bamsan
95	29	GSSS JaureAmb	Barsar	Nadaunta
96	30	GSSS Jhagriani	Hamirpur	Hamirpur
97	31	GSSS Jhiralri	Barsar	Mewa
98	32	GSSS Jol-sappar)	Nadaun	Nadaun
99	33	GSSS Kakkar	Sujanpur Tihra	Bamsan
100	34	GSSS Kangoo	Nadaun	Nadaun
101	35	GSSS Kashmir	Nadaun	Nadaun
102	36	GSSS Kharwar	Bhoranj	Mewa
103	37	GSSS Kuthera(Bhel)	Ghumarwin	Hamirpur
104	38	GSSS Ladraur	Bhoranj	Mewa
105	39	GSSS Lambloo	Hamirpur	Bamsan
106	40	GSSS LowerHaretta		Nadaunta
107	41	GSSS Maharal	Bijhari	Nadaunta
108	42	GSSS Mair	Bhoranj	Mewa
109	43	GSSS Mundkhar	Bhoranj	Mewa
110	44	GSSS Nadaun(G)	Nadaun	Nadaun
111	45	GSSS Nadaun(U)	Nadaun	Nadaun
112	46	GSSS Nalti	Hamirpur	Hamirpur
113	47	GSSS Parol	Bhoranj	Bamsan
114	48	GSSS Patlander	Sujanpur Tihra	Hamirpur
115	49	GSSS Patta	Bhoranj	Mewa
116	50	GSSS Rail	Nadaun	Nadaun
117	51	GSSS RailiJajri	Datval Vijharas(ST)	Nadaunta

118	52	GSSS Sera	Nadaun	Nadaun
119	53	GSSS SujanpurTihra(B)(U)	S/Tihra	Hamirpur
120	54	GSSS Tal	Bhoranj	Mewa
121	55	GSSS TauniDevi	Hamirpur	Bamsan
122	56	GSSS TikkarKhatarian	Bhoranj	Bamsan
123	57	GSSS Uhal	Hamirpur	Bamsan

District Kangra				
124	1	GSSS Alampur	Jaisinghpur	Thural
125	2	GSSS Amni	Jawali	Guler
126	3	GSSS Badalthore	Dehra	Pragpur
127	4	GSSS Bagli	Kangra	Dharamsala
128	5	GSSS Bahadpur	Fapur	Jawali
129	6	GSSS Baijnath	Baijnath	Baijnath
130	7	GSSS Balakrupi	Jaisinghpur	Thural
131	8	GSSS Ballugaloa	Baroh	Kangra
132	9	GSSS Bankhandi	Dehra	Jaswan
133	10	GSSS Banuri	Palampur	Rajgir
134	11	GSSS Baroh	Baroh	Nagrota
135	12	GSSS Basantpur	Indora	Gangath
136	13	GSSS Bathu Tipri	Dehra	Jaswan
137	14	GSSS Bhadwar		Nurpur
138	15	GSSS Bharial-Daroka	Rakkar	Guler
139	16	GSSS Bharmar	Jawali	Jawali
140	17	GSSS Bharolikohala	Dehra	Jawalamukhi
141	18	GSSS Bhatoli Phakhorian	Dehra	Jaswan
142	19	GSSS Bhawarna	Palampur	Palampur
143	20	GSSS Bhogrwana	Indora	Jawali
144	21	GSSS Bhullana	Baijnath	Rajgir
145	22	GSSS Bir	Baijnath	Baijnath
146	23	GSSS Boda	Palampur	Sulah
147	24	GSSS Chachian	Palampur	Palampur
148	25	GSSS Chadhiar	Baijnath	Rajgir
149	26	GSSS Chanour(G)	Dehra	Pragpur
150	27	GSSS Chari	D/sala	Shahpur
151	28	GSSS Dada Siba	Indora	Jaswan
152	29	GSSS Dahkulara	Indora	Gangath
153	30	GSSS Daroh	Palampur	Sulah
154	31	GSSS Daulatpur	Kangra	Kangra
155	32	GSSS Dehra Gopipur	Dehra	Jawalamukhi
156	33	GSSS Deol	Baijnath	Baijnath
157	34	GSSS Dhaliara	Dehra	Pragpur

158	35	GSSS Dhameta	Jawali	Jawali
159	36	GSSS Dharamsala(B)(U)	Dharamsala	Dharamsala
160	37	GSSS Dharamsala(G)(U)	Dharamsala	Dharamsala
161	38	GSSS Dheera	Dehra	Sulah
162	39	GSSS Dughiari	Kangra	Kangra
163	40	GSSS Fatehpur	Nurpur	Jawali
164	41	GSSS Gander	Jaisinghpur	Thural
165	42	GSSS Gangath(B)	Nurpur	Gangath
166	43	GSSS Ganoh	Nurpur	Nurpur
167	44	GSSS Garhjamula	Palampur	Sulah
168	45	GSSS Garli	Rakkar(ST)	Pragpur
169	46	GSSS Ghallaur		Jawalamukhi
170	47	GSSS Gharana	Dheera	Jawalamukhi
171	48	GSSS Ghar-Jarot	Jawali	Guler
172	49	GSSS Giora	Nurpur	Nurpur
173	50	GSSS Guglara	Jawali	Jawali
174	51	GSSS Harchakian	Harchakin	Shahpur
175	52	GSSS Haripur	Dehra	Jaswan
176	53	GSSS Harsar	Jawali	Guler
177	54	GSSS Indora	Nurpur	Gangath
178	55	GSSS Jaisinghpur	Palampur	Thural
179	56	GSSS Jassai	Baroh	Kangra
180	57	GSSS Jawalamukhi	Dehra	Jawalamukhi
181	58	GSSS Jawali	Jawali	Guler
182	59	GSSS Kachhiary	Kangra	Kangra
183	60	GSSS Kaliara	D/sala	Shahpur
184	61	GSSS Karoa	Dehra	Pragpur
185	62	GSSS Kathog	Dehra	Jawalamukhi
186	63	GSSS Khaniara Khas	D/sala	Dharamsala
187	64	GSSS Khera	Palampur	Sulah
188	65	GSSS Khundian	Khundian	Jawalamukhi
189	66	GSSS Koseri	Jaisinghpur	Rajgir
190	67	GSSS Kotla	Jawali	Guler
191	68	GSSS Kotla Behar	Jaswan	Jaswan
192	69	GSSS Kotloo	Jaisinghpur	Sulah
193	70	GSSS Krishana Nagar	Baijnath	Baijnath
194	71	GSSS Kuther	Nurpur	Guler
195	72	GSSS Kuther(Ranital)	Kangra	Kangra
196	73	GSSS Ladori	Nurpur	Nurpur
197	74	GSSS Lagru	Dehra	Jawalamukhi
198	75	GSSS Lahla	Palampur	Palampur
199	76	GSSS Lamba Gaon	Jaisinghpur	Thural
200	77	GSSS Lanj	Kangra	Kangra

201	78	GSSS Lodhwan	Nurpur	Gangath
202	79	GSSS Lohardi	Baijnath	Baijnath
203	80	GSSS Majheen	Khundian	Thural
204	81	GSSS Mandal	D/sala	Dharamsala
205	82	GSSS Mohatli	Indora	Gangath
206	83	GSSS Muhal	Dehra	Jawalamukhi
207	84	GSSS N.Bagwan(G)	Kangra	Nagrota
208	85	GSSS Nagrota Bagwan(B)	Kangra	Nagrota
209	86	GSSS Nagrota Surian	Jawali	Guler
210	87	GSSS Naura	Dheera	Sulah
211	88	GSSS New-Kangra(U)	Kangra	Kangra
212	89	GSSS Nurpur(U)	Nurpur	Nurpur
213	90	GSSS Pahra	Palampur	Palampur
214	91	GSSS Palampur(Ghuggar)	Palampur	Palampur
215	92	GSSS Paprola	Baijnath	Baijnath
216	93	GSSS Paraur	Palampur	Palampur
217	94	GSSS Pathiar	Kangra	Nagrota
218	95	GSSS Pir-saluhi	Rakkar	Pragpur
219	96	GSSS Pragpur	Dehra	Pragpur
220	97	GSSS Rait	Kangra	Shahpur
221	98	GSSS Raja-Ka-Talab	Nurpur	Nurpur
222	99	GSSS Rajhoon	Palampur	Sulah
223	100	GSSS Rajpur	Palampur	Rajgir
224	101	GSSS Rakkar	Dehra	Pragpur
225	102	GSSS Rehan	Nurpur	Nurpur
226	103	GSSS Rey	Fapur	Jawali
227	104	GSSS Sadwan	Nurpur	Nurpur
228	105	GSSS Salol		Shahpur
229	106	GSSS Samloti	Kangra	Nagrota
230	107	GSSS Sansai	Baijnath	Baijnath
231	108	GSSS Sansarpur-Terrace	Dehra	Jaswan
232	109	GSSS Sathana	Jawali	Jawali
233	110	GSSS Sera Thana	Baroh	Nagrota
234	111	GSSS Seri Molag	Jaisinghpur	Thural
235	112	GSSS Shahpur	Kangra	Shahpur
236	113	GSSS Sullah	Palampur	Sulah
237	114	GSSS Sulliali	Nurpur	Nurpur
238	115	GSSS Sunhi		Nagrota
239	116	GSSS Surani	Khundian	Jawalamukhi
240	117	GSSS Tang Narwana	D/sala	Dharamsala
241	118	GSSS Thural	Thural	Thural
242	119	GSSS	Kangra	Kangra

District Kinnaur			
243	1	GSSS Chango	Kinnaur
244	2	GSSS Giabong	Pooh Kinnaur
245	3	GSSS Kalpa	Kalpa Kinnaur
246	4	GSSS Kanam	Pooh Kinnaur
247	5	GSSS Katgaon	Nichar Kinnaur
248	6	GSSS Kilba	Sangla Kinnaur
249	7	GSSS Moorang	Morang Kinnaur
250	8	GSSS Nichar	Nichar Kinnaur
251	9	GSSS Pooh	Pooh Kinnaur
252	10	GSSS Reckong Peo	Kalpa Kinnaur
253	11	GSSS Ribba at Skibba	Kalpa Kinnaur
254	12	GSSS Sangla	Sangla Kinnaur
255	13	GSSS Urni	Nichar Kinnaur

District Kullu			
256	1	GSSS Ani	Ani Ani
257	2	GSSS Arsoo	Nirmand Ani
258	3	GSSS Bahang(Goshal)	Manali Kullu
259	4	GSSS Bajaura	Kullu Banjar
260	5	GSSS Banjar	Banjar Banjar
261	6	GSSS Bhuntar	Kullu Banjar
262	7	GSSS Bhutti(Lug-Valley)	Kullu Kullu
263	8	GSSS Dalash	Ani Ani
264	9	GSSS Deogi	Nirmand Ani
265	10	GSSS Garsa	Kullu Banjar
266	11	GSSS Haripur	Manali Kullu
267	12	GSSS Jalgran	Kullu Banjar
268	13	GSSS Jaree	Kullu Banjar
269	14	GSSS Katrain	Kullu Kullu
270	15	GSSS Kharahal	Kullu Kullu
271	16	GSSS Kullu(B)(U)	Kullu Kullu
272	17	GSSS Kullu(G)	Kullu Kullu
273	18	GSSS Kungash	Ani(ST) Ani
274	19	GSSS Lagauti	 Ani
275	20	GSSS Manali	Manali Kullu
276	21	GSSS Mohal	Kullu Banjar
277	22	GSSS Naggar	Kullu Kullu
278	23	GSSS Nirmand	Nirmand Ani
279	24	GSSS Nithar	Nirmand Ani
280	25	GSSS Pangan	Manali Kullu

281	26	GSSS Raison	Kullu	Kullu
282	27	GSSS Sainj	Sainj(ST)	Banjar

District L&Spiti

283	1	GSSS Gondhla	Kelong	Lahaul Spiti
284	2	GSSS Jahalma	Udaipur(ST)	Lahaul Spiti
285	3	GSSS Kaza	Kaza	Lahaul Spiti
286	4	GSSS Kelong	Kelong	Lahaul Spiti
287	5	GSSS Kolang	Kelong	Lahaul Spiti
288	6	GSSS Tabo	Kaza	Lahaul Spiti
289	7	GSSS Triloknath	Udaipur(ST)	Lahaul Spiti
290	8	GSSS Udaipur	Udaipur(ST)	Lahaul Spiti

District Mandi

291	1	GSSS Baga-Chanogi-Thach	Thunag	Chachiot
292	2	GSSS Bagsaid	Thunag	Chachiot
293	3	GSSS Baldwara	Baldwara	Gopalpur
294	4	GSSS Bali-chowki	BaliChowki(ST)	Chachiot
295	5	GSSS Barot	J/Nagar	Drang
296	6	GSSS Baryara	Kotli(ST)	Mandi
297	7	GSSS Behli	Sunder Nagar	Sundernagar
298	8	GSSS Bhadarwar	Sarkaghat	Gopalpur
299	9	GSSS Bhambla	Baldwara(ST)	Gopalpur
300	10	GSSS Bhangrotu	Mandi	Balh
301	11	GSSS Bharari	Dharampur	Dharampur
302	12	GSSS Bhararu	J/nagar	Drang
303	13	GSSS Chailchowk	Chachiot	Nachan
304	14	GSSS Chauntra	J/nagar	Jogindernagar
305	15	GSSS Chhatri	Karsog	Chachiot
306	16	GSSS Cholthara	Sarkaghat	Dharampur
307	17	GSSS Chowk	Baldwara	Gopalpur
308	18	GSSS Churag	Karsog	Karsog
309	19	GSSS Dehar	S/nagar	Sundernagar
310	20	GSSS Dhangira	Chachiot	Nachan
311	21	GSSS Dharampur	Dharampur	Dharampur
312	22	GSSS Drang	Padhar	Drang
313	23	GSSS Drubbal	Joginder Nagar	Joginder Nagar
314	24	GSSS Dussehra	Mandi	Balh
315	25	GSSS Gada-Gosai	Balichowki	Chachiot
316	26	GSSS Galgal	Sadar	Balh
317	27	GSSS Gharwasra	Sarkagaht	Dharampur

318	28	GSSS Gohar	Chachiot	Chachiot
319	29	GSSS Gokhra	Mandi	Mandi
320	30	GSSS Gopalpur	Sarkaghat	Gopalpur
321	31	GSSS Gurkotha	Mandi	Balh
322	32	GSSS Hatgarh	Mandi	Balh
323	33	GSSS Heun Pahed	Sarkaghat	Dharampur
324	34	GSSS Jaidevi	S/nagar	Nachan
325	35	GSSS Jamni	Sarkaghat	Gopalpur
326	36	GSSS Janjehli	Thunag	Chachiot
327	37	GSSS Jarol	Sunder Nagar	Sundernagar
328	38	GSSS Jhungi	Sundernagar	Nachan
329	39	GSSS Jogindar-nagar(B)(U)	J/nagar	Joginder Nagar
330	40	GSSS Jogindernagar(G)	Jogindernagar	Joginder Nagar
331	41	GSSS Kanaid	S/nagar	Nachan
332	42	GSSS Karkoh	Kotli(ST)	Mandi
333	43	GSSS Karsog	Karsog	Karsog
334	44	GSSS Kataula	Mandi	Drang
335	45	GSSS Katindi	Mandi	Drang
336	46	GSSS Kehanwal	Mandi	Mandi
337	47	GSSS Keolidhar	Chachiot	Chachiot
338	48	GSSS Kothi Gehri	Kotli(ST)	Mandi
339	49	GSSS Kotli	Kotli	Mandi
340	50	GSSS Kufri	Paddar	Drang
341	51	GSSS Kujja Balh	Sandhole(ST)	Dharampur
342	52	GSSS Ladbharol	Ladbharol	Joginder Nagar
343	53	GSSS Langna	Joginder Nagar	Joginder Nagar
344	54	GSSS Mahadev	S/nagar	Nachan
345	55	GSSS Mahunag	Karsog	Karsog
346	56	GSSS Majhwar	Mandi	Mandi
347	57	GSSS Makreri	Joginder Nagar	Joginder Nagar
348	58	GSSS Mandap	Sarkaghat	Dharampur
349	59	GSSS Mandi(B)(U)	Mandi	Mandi
350	60	GSSS Mandi(G)(U)	Mandi	Mandi
351	61	GSSS Marhi	Sandhole	Dharampur
352	62	GSSS Nihri	Nihri	Karsog
353	63	GSSS Ootpur		Joginder Nagar
354	64	GSSS Padhar	Padhar	Drang
355	65	GSSS Pairi	Mandi	Balh
356	66	GSSS Panarsa	Aut	Drang
357	67	GSSS Pandoh(U)	Mandi	Mandi
358	68	GSSS Pandole	Ladbharol	Joginder Nagar
359	69	GSSS Pangna	Karsog	Karsog
360	70	GSSS Pounta	Sarkaghat	Gopalpur

361	71	GSSS Rajwari	Mandi	Balh
362	72	GSSS Rewalsar	Sadar	Balh
363	73	GSSS Rohanda	Sunder Nagar	Nachan
364	74	GSSS Ropa	Paddar	Drang
365	75	GSSS Saigloo	Kotli(ST)	Mandi
366	76	GSSS Samaila	Baldwara	Gopalpur
367	77	GSSS Sandhole	Sandhole	Dharampur
368	78	GSSS Sarkaghat	Sarkaghat	Gopalpur
369	79	GSSS Seoh	Dharampur	Dharampur
370	80	GSSS Seri-Bunglow	Karsog	Karsog
371	81	GSSS Serikothi	Sunder Nagar	Sundernagar
372	82	GSSS Shakra	Karsog	Karsog
373	83	GSSS Shiva Badar	Mandi	Drang
374	84	GSSS Slapper	Sunder Nagar	Sundernagar
375	85	GSSS Sundernagar(B)(U)	S/nagar	Sundernagar
376	86	GSSS Sundernagar(G)(U)	S/nagar	Sundernagar
377	87	GSSS Taleli	Sunder Nagar	Sundernagar
378	88	GSSS Tebban	Karsog	Karsog
379	89	GSSS Thachi	Balichowki(ST)	Chachiot
380	90	GSSS Thona	Sarkaghat	Gopalpur
381	91	GSSS Thunag	Thunag	Chachiot
382	92	GSSS Tihra	Sarkaghat	Dharampur
383	93	GSSS Tullah	Jogindernagar	Joginder Nagar

District Shimla				
384	1	GSSS Arhal	Rohru	Rohru
385	2	GSSS Bagain	Theog	Theog
386	3	GSSS Bahali	Rampur	Rampur
387	4	GSSS Baldyan	Shimla(R)	Kasumpti
388	5	GSSS Bamta	Chopal	Chopal
389	6	GSSS Banuna	Suni	Kumarsain
390	7	GSSS Baragaon	Kumarsain	Kumarsain
391	8	GSSS Bhutti	Kumarsain	Kumarsain
392	9	GSSS Boileauganj	Shimla(U)	Shimla
393	10	GSSS Chargaon	Chirgaon	Rohru
394	11	GSSS Cheog	Theog	Theog
395	12	GSSS Chhota-Shimla	Shimla(U)	Shimla
396	13	GSSS Chopal	Chopal	Chopal
397	14	GSSS Dansa	Rampur	Rampur
398	15	GSSS Dargi	Suni	Kumarsain
399	16	GSSS Deha	Theog	Theog
400	17	GSSS Delath	Nankhari(ST)	Rampur

401	18	GSSS Deori Khaneti	Kotkhai	Jubbal-Kotkhai
402	19	GSSS Deothi	Rampur	Rampur
403	20	GSSS Dhamwari	Chirgaon	Rohru
404	21	GSSS Dhar Gaura	Rampur	Rampur
405	22	GSSS Dharampur(Madhan)	Theog	Theog
406	23	GSSS Dharogra	Sunni	Kumarsain
407	24	GSSS Dofda	Rampur	Rampur
408	25	GSSS Ganvi	Rampur	Rampur
409	26	GSSS Ghanahatti	Shimla(R)	Kasumpti
410	27	GSSS Halog Dhami	Shimla(R)	Kasumpti
411	28	GSSS Jangla	Chirgaon	Rohru
412	29	GSSS Jeori	Rampur	Rampur
413	30	GSSS Jhakri	Rampur	Rampur
414	31	GSSS Jubbal(B)(U)	Jubbal	Jubbal-Kotkhai
415	32	GSSS Junga	Junga(ST)	Kasumpti
416	33	GSSS Kalbog	Kotkhai	Jubbal-Kotkhai
417	34	GSSS Kangal	Kumarsain	Kumarsain
418	35	GSSS Khalag	Shimla(R)	Kasumpti
419	36	GSSS Khaneti-Sadoch	Kumarsain	Kumarsain
420	37	GSSS Khatnol	Suni	Kumarsain
421	38	GSSS Kiari	Kotkhai	Jubbal-Kotkhai
422	39	GSSS Kotkhai(U)	Kotkhai	Jubbal-Kotkhai
423	40	GSSS Kui-Bachhunch	Rohru	Rohru
424	41	GSSS Kumarsain	Kumarsain	Kumarsain
425	42	GSSS Kupvi	Kupvi(ST)	Chopal
426	43	GSSS Lakkar Bazar(G)(U)	Shimla(U)	Shimla
427	44	GSSS Lower Kothi	Rohru	Rohru
428	45	GSSS Majheoti	Nankhari(ST)	Rampur
429	46	GSSS Mandal	Jubbal	Jubbal-Kotkhai
430	47	GSSS Mandhole	Jubbal	Jubbal-Kotkhai
431	48	GSSS Maraog(Madawag)	Chopal	Chopal
432	49	GSSS Mashobra	Shimla(R)	Kasumpti
433	50	GSSS Matiana	Theog	Theog
434	51	GSSS Melthi	Rohru	Jubbal-Kotkhai
435	52	GSSS Nankhari	Nankhari(ST)	Rampur
436	53	GSSS Narkanda	Kumarsain	Kumarsain
437	54	GSSS Nerwa	Nerwa	Chopal
438	55	GSSS Padam-Rampur(U)	Rampur	Rampur
439	56	GSSS Pahal	Suni	Kumarsain
440	57	GSSS Pandranu	Jubbal	Jubbal-Kotkhai
441	58	GSSS Phagli(U)	Shimla(U)	Shimla
442	59	GSSS Portmore(G)(U)	Shimla(U)	Shimla
443	60	GSSS Pujarli-4	Tikkar(ST)	Rohru

444	61	GSSS Rampur(G)(U)	Rampur	Rampur
445	62	GSSS Rohru (G)	Rohru	Rohru
446	63	GSSS Rohru(B)(U)	Rohru	Rohru
447	64	GSSS Sainj	Theog	Theog
448	65	GSSS Sanjauli(U)	Shimla(U)	Shimla
449	66	GSSS Sarahan Bushar	Rampur	Rampur
450	67	GSSS Sarain	Chopal	Chopal
451	68	GSSS Saraswatinagar(Sawra)	Jubbal	Jubbal-Kotkhai
452	69	GSSS Sari Basa	Chirgaon	Rohru
453	70	GSSS Shimla(B)(U)	Shimla(U)	Shimla
454	71	GSSS Shogi	Shimla(R)	Kasumpti
455	72	GSSS Summerhill	Shimla	Shimla
456	73	GSSS Summerkot	Rohru	Rohru
457	74	GSSS Suni(U)	Suni	Kumarsain
458	75	GSSS Taklech	Rampur	Rampur
459	76	GSSS Tharoach	Nerwa(ST)	Chopal
460	77	GSSS Theog(B)(U)	Theog	Theog
461	78	GSSS Tikkar	Tikkar(ST)	Rohru
462	79	GSSS Tutu(U)	Shimla(U)	Kasumpti
463	80	GSSS Virgarh	Kumarsain	Kumarsain

District Sirmour				
464	1	GSSS Amboya	Paonta	Shillai
465	2	GSSS Bakras	Shillai	Shillai
466	3	GSSS Bankalan	Nahan	Nahan
467	4	GSSS Basahan	Pachhad	Pachhad
468	5	GSSS Bechar-ka-Bag	Dadhu(ST)	Nahan
469	6	GSSS Bhagani	Paonta	Paonta
470	7	GSSS Bharog-Baneri	Paonta	Paonta
471	8	GSSS Bharoli	Rajgarh	Pachhad
472	9	GSSS Boghdhar	Sangrah	Renuka
473	10	GSSS Dadahu	Dadahu	Nahan
474	11	GSSS Galanaghat	Pachhad	Pachhad
475	12	GSSS Hallan	Sangrah	Renuka
476	13	GSSS Jamna	Kamrau	Shillai
477	14	GSSS Kaffota	Kamrau(ST)	Shillai
478	15	GSSS Kamrau	Kamrau	Shillai
479	16	GSSS Kaula-Wala-Bhood	Nahan	Nahan
480	17	GSSS Kolar	Paonta	Paonta
481	18	GSSS Korag	Sangrah	Renuka
482	19	GSSS Kotibunch	Shillai	Renuka
483	20	GSSS Majra	Paonta	Paonta

484	21	GSSS Nagheta	Paonta	Paonta
485	22	GSSS Nahan(B)(U)	Nahan	Nahan
486	23	GSSS Nahan(G)(U)	Nahan	Nahan
487	24	GSSS Naina Tikkar	Pachhad	Pachhad
488	25	GSSS Narag	Pachhad	Pachhad
489	26	GSSS Paonta Sahib(G)(U)	Paonta	Paonta
490	27	GSSS Paonta Sahib(U)(B)	Paonta	Paonta
491	28	GSSS Rajgarh(U)	Rajgarh	Pachhad
492	29	GSSS Sangrah	Sangrah	Renuka
493	30	GSSS Sanora	Rajgarh	Pachhad
494	31	GSSS Sarahan(U)	Pachhad	Pachhad
495	32	GSSS Sataun	Kamrau(ST)	Paonta
496	33	GSSS Shillai	Shillai	Shillai
497	34	GSSS Surla	Nahan	Nahan
498	35	GSSS Trilokpur	Nahan	Nahan

District Solan				
499	1	GSSS Arki(B)(U)	Arki	Arki
500	2	GSSS Arki(G)	Arki	Arki
501	3	GSSS Badhalag	Nalagarh	Doon
502	4	GSSS Barotiwala	Kasauli	Doon
503	5	GSSS Baruna	Nalagarh	Nalagarh
504	6	GSSS Bhumti	Arki	Arki
505	7	GSSS Chail	Kandaghat	Solan
506	8	GSSS Chamian	Kasauli	Kasauli
507	9	GSSS Chandi (S)	Krishnagar	Doon
508	10	GSSS Chandi(A)	Arki	Doon
509	11	GSSS Dabhota	Nalagarh	Nalagarh
510	12	GSSS Darlaghat	Arki	Arki
511	13	GSSS Deothi	Solan	Kasauli
512	14	GSSS Dharampur	Kasauli	Kasauli
513	15	GSSS Dhundan	Arki	Arki
514	16	GSSS Diggall	Ramshahar	Doon
515	17	GSSS Domehar	Kandaghat	Arki
516	18	GSSS Gullerwala	Nalagarh	Doon
517	19	GSSS Jaunaji	Soaln	Solan
518	20	GSSS Joghoh	Nalagarh	Nalagarh
519	21	GSSS Kalhog	Kandaghat	Solan
520	22	GSSS Kandaghat	Kandaghat	Solan
521	23	GSSS Kasauli	Kasauli	Kasauli
522	24	GSSS Kuftoo	Kandaghat	Solan
523	25	GSSS Kunihar	Arki	Arki

524	26	GSSS Kuthar	Krishangarh	Kasauli
525	27	GSSS Mamligh	Kandaghat	Solan
526	28	GSSS Manjholi	Nalagarh	Nalagarh
527	29	GSSS Manpura	Nalagarh	Doon
528	30	GSSS Nalagarh(G)	Nalagarh	Nalagarh
529	31	GSSS Nalagarh(U)	Nalagarh	Nalagarh
530	32	GSSS Nand	Ramshehar(ST)	Nalagarh
531	33	GSSS Navgaon	Arki	Arki
532	34	GSSS Oachghat	Solan	Solan
533	35	GSSS Parwanoo(Baroti)	Kasauli	Kasauli
534	36	GSSS Patta Brauri	Solan	Kasauli
535	37	GSSS Patta-Mehlog	Krishanagarh	Doon
536	38	GSSS Ramshehar	Ramshehar(ST)	Doon
537	39	GSSS Sai	Nalagarh	Doon
538	40	GSSS Saur	Ramshehar(ST)	Nalagarh
539	41	GSSS Solan(B)(U)	Solan	Solan
540	42	GSSS Solan(G)(U)	Solan	Solan
541	43	GSSS Subathu	Kasauli	Kasauli
542	44	GSSS Sultanpur	Solan	Kasauli
543	45	GSSS Syri	Kandaghat	Solan

District Una				
544	1	GSSS Amb	Amb	Chintpurni
545	2	GSSS Ambota	Amb	Gagret
546	3	GSSS Badhera- Rajputan	Amb	Gagret
547	4	GSSS Basdehra	Una	Una
548	5	GSSS Bassal	Una	Una
549	6	GSSS Bhadarkali	Amb	Gagret
550	7	GSSS Bhanjal	Amb	Gagret
551	8	GSSS Bharwain	Amb	Chintpurni
552	9	GSSS Chalet	Amb	Gagret
553	10	GSSS Dehlan	Una	Una
554	11	GSSS Dhamandri	Una	Kutlehar
555	12	GSSS Dharamsala Mahantan	Amb	Chintpurni
556	13	GSSS Dhundla	Bangana	Kutlehar
557	14	GSSS Dhussara	Amb	Chintpurni
558	15	GSSS Diara	Amb	Chintpurni
559	16	GSSS Dulehar	Haroli(ST)	Santokhgarh
560	17	GSSS Ghanari	Amb	Gagret
561	18	GSSS Gondpur Banera	Amb	Gagret
562	19	GSSS Haroli	Haroli(ST)	Santokhgarh
563	20	GSSS Hatli	Bangana	Kutlehar

564	21	GSSS Ispur	Haroli	Santokhgarh
565	22	GSSS Khad	Una	Santokhgarh
566	23	GSSS Kuthera Jaswalan	Amb	Gagret
567	24	GSSS Lalhri	Haroli	Santokhgarh
568	25	GSSS Lathiani	Bangana	Kutlehar
569	26	GSSS Lohara	Amb	Chintpurni
570	27	GSSS Marwari	Amb	Gagret
571	28	GSSS Mubarkpur		Chintpurni
572	29	GSSS Nangal Jarialan	Amb	Gagret
573	30	GSSS Nangran	Una	Una
574	31	GSSS Nehrian		Chintpurni
575	32	GSSS Pubowal	Haroli(ST)	Santokhgarh
576	33	GSSS Raipur Madan	Bangana	Kutlehar
577	34	GSSS Rapoh-Misran	Amb	Chintpurni
578	35	GSSS Saloh	Haroli	Santokhgarh
579	36	GSSS Santokgarh (G)	Una	Santokhgarh
580	37	GSSS Santokhgarh(B)(U)	Una	Santokhgarh
581	38	GSSS Saroh	Bangana	Kutlehar
582	39	GSSS Takka	Una	Una
583	40	GSSS Takoli	Bangana	Kutlehar
584	41	GSSS Talmehra	Bangana	Kutlehar
585	42	GSSS Thana Kalan	Bangana	Kutlehar
586	43	GSSS Thathal	Amb	Chintpurni
587	44	GSSS Una(B)(U)	Una	Una
588	45	GSSS Una(G)(U)	Una	Una