

S. No. 31(R)

**DIRECTOR GENERAL SCHOOL EDUCATION & STATE PROJECT  
DIRECTOR, SARVA SHIKSHA ABHIYAN AUTHORITY, PUNJAB, SCO-  
104-106,  
SECTOR 34 A, CHANDIGARH**

To

Sh. M. Dilip Kumar,  
Under Secretary to the Government of India,  
Ministry of Human Resource Development,  
Department of School Education & Literacy,  
School - 5 Section, New Delhi

Memo No: 10/14-ICT-2004-05/Edu. 4/ 66107

Dated: 8<sup>th</sup> September, 2009

**Subject: Evaluation of ICT Scheme by an external agency - submit report.**

1. Please refer to your letter No. F. No. 11-3/2009-Sch-5, dated. 17<sup>th</sup> August, 2009.
2. Following study reports alongwith our evaluation/ comments is forwarded herewith.

<u>Title</u>	<u>Study Conducted by</u>
(a) Evaluation of ICT Project in Schools of Punjab.	IDC Chandigarh
(b) Impact Assessment Study- ICT Education in Schools of Punjab.	CCE, PEC, Chandigarh
(c) Impact Assessment of ICT Education on the learning of Other Subjects in Punjab school.	CCE, PEC, Chandigarh

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Director General School Education  
Punjab

Endst No : 10/14-ICT-2004-05/Edu. 4/

Dated. 8<sup>th</sup> Sept, 09

Copy is also forwarded to (less the study reports) :-

Sh. J.S Khuntia,  
Joint Secretary to the Government of India,  
Ministry of Human Resource Development,  
Department of School Education & Literacy,  
School - 5 Section, New Delhi

sd/-

Director General School Education  
Punjab

**Evaluation of ICT Project in Schools of Punjab**

<b>S.No.</b>	<b>Observations</b>	<b>Comments</b>
1	Provision of generator in every school as a back-up of power supply to regulate full functioning and proper utilization of computer labs	It is an admitted fact that the gen sets of appropriate capacity needs to be provided in every school if the infrastructure provided under the ICT Project by PICTES / State Government is to be optimally utilized. However, due to paucity of funds with the Society and in the absence of any grant provided by the State Government for this purpose, the Society is unable to provide gen sets in the schools. The schools which have adequate funds with them have been advised by the State Government to purchase the gen sets. 2469 schools have even purchased the gen sets and the problem of providing POL for these gen sets is yet to be resolved. Efforts shall be made to take up the matter again with the Government to provide funds. It is estimated that 5.5 crores funds would be required to

		provide gen sets in all the schools;
2.	Provision of well defined curriculum pertinent to the subject, text books and reading material at the beginning of the session to ensure effectiveness in teaching and learning	During the earlier years the printing of computer books was assigned to the Punjab School Education Board by PICTES as the Board has been printing books in the other subjects also. During the year 2008-09 Board took longer time to print the books, however, for the year 2009-10, society got these books printed on its own and the books have even been supplied to the schools in the first fortnight of April, 2009;
3.	Provision of internet facility with faster connection to be provided in every computer lab to strengthen and enrich the process of teaching and learning	Observations made by IDC is well accepted and recognizing the facts that there is inadequate connectivity in the schools, the matter was taken up by the Society with the State Government and with the approval of the competent authority orders have been placed with BSNL to provide broad band connectivity of unlimited capacity for all the schools. It may also be apprised here that broad band connections are also being

		provided to all the DEOS, BPEOs and even to the Clusters (1499) all over the State;
4.	ICT teachers to be relieved of extra duties such as teaching subjects other than computer education, and also clerical job of typing office data document	It is observed that the computer teachers are primarily the teachers and their services are placed at the disposal of the School Incharges and Principals who have been advised to utilize their services optimally. So far as the issue of taking jobs other than teaching is concerned, it is felt that the computer teachers cannot be given different treatment. In any case if the computer teacher is sitting idle it is in the interest of the Government and Society to take some job from them to assist the school administration. However, the directions have been issued to the School Incharges that it should not be at the cost of the studies of the students;
5.	Making provision of in-service training programme in computer/ICT for general teaching faculty so as to make them	This is already going on in the schools and it will take some more time before the whole staff in the

	self-sufficient in using computers	Department of Education is trained computers and use of IT;
6.	Provision for short term in-service training programme in ICT for clerical/administrative staff to enable them to operate computers for typing and recording of data	It is already going on;
7.	Giving equal importance to ICT as in case of other subjects	The State Government has taken a decision whereby the computer education has been included as one of the subject as a part of curriculum w.e.f. 01.04.2009 in all the classes form 6 <sup>th</sup> to 12 <sup>th</sup> ;
8.	Short duration, crash programmes in basic skills of hardware and software to be organized in school itself by the computer teachers to train general teaching faculty and clerical staff, in batches	It is already going on;
9.	Special computer training programmes to be conducted for the faculty after school hours, or during winter and summer vacations	It can be considered though a lot of thinking and planning is still required to be made;
10.	The ICT teachers to be recruited on regular pay scales as applicable to general faculty of teaching with all	It is apprised that the computer teachers have been recruited by PICTES i,e, a Society registered by

	benefits of service, so as to make ICT a viable project	State Government on contract basis. The decision in principle has already been taken to pay the salary of Rs. 10,000/- per month though the Department of Finance is yet to give its clearance
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**Evaluation of Impact of ICT Program in Schools by Punjab Engineering College**

1. Two studies as under were carried out by Punjab Engineering College Chandigarh (PEC) on the ICT Project as under:-
  - (a) Impact of ICT Education:- To assess the impact of ICT Education on students, teachers, parents and schools
  - (b) Impact Assessment of ICT Education on the learning of other subjects in Punjab.

**Study 1 - Evaluation**

2. Most teachers and students expressed satisfactions with ICT program.
3. ICT program is boon for poor students.
4. Majority of students are satisfied with teaching methods, course content, adequacy of practical classes and availability of books.
5. Students acquired a number of IT skills to ICT Education Program.
6. Teachers are happy with the performance and interest of the students.
7. ICT program will act as a stepping stone for students to build advanced skills and knowledge in IT.
8. Teachers and children felt that infrastructure provided in the lab was adequate.
9. Language of the book is tough and needs to be simplified.
10. Numbers of computers are not sufficient. There should be one computer for each student.
11. There is a frequent problem of power supply which disrupts the study.

**Study 2 – Evaluation**

12. Introduction of computer in the schools has made learning of other subjects easy and interesting.
13. English is the main subject which students enjoy learning on computer.
14. Multimedia educational content CD are sought after by the students for subjects of Maths, Science and Computer.
15. Majority of teachers to receive computer training were satisfied with the content and quality of the training.
16. Students felt that time allotted for computer classes is inadequate and should be increased.
17. Students felt that school library should store larger number of educational CDs.