



ಕರ್ನಾಟಕ ಸರ್ಕಾರ
Government of Karnataka



ರಾಜ್ಯ ಶಿಕ್ಷಣ ಸಂಶೋಧನೆ ಮತ್ತು ತರಬೇತಿ ಇಲಾಖೆ

ಡಿ ಎಸ್ ಇ ಆರ್ ಟಿ
D S E R T

DEPARTMENT OF STATE EDUCATIONAL RESEARCH AND TRAINING
NO 4, 100 FT RING ROAD, BANASHANKARI 3RD STAGE BENGALURU - 085

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ಸಂಖ್ಯೆ:ಇಟಿಸಿ5/ಐಸಿಟಿ 1 ಮತ್ತು 2/ಮೌ.ಮಾ/2010-11

ದಿನಾಂಕ:22/12/2010

ಕರ್ನಾಟಕ ಸರ್ಕಾರ ಸರ್ಕಾರಿ ಪ್ರೌಢಶಾಲೆಗಳಲ್ಲಿ, ಕಂಪ್ಯೂಟರ್ ಶಿಕ್ಷಣ ನೀಡಲು ಅನುಷ್ಠಾನಗೊಳಿಸಿರುವ "ಐಸಿಟಿ1 ಮತ್ತು 2 ಯೋಜನೆಗಳು" ಕುರಿತು ಬಾಹ್ಯ ಮೌಲ್ಯಮಾಪನಕ್ಕಾಗಿ ಸೇವೆಯನ್ನು ಒದಗಿಸುವ ಸಲುವಾಗಿ ಸರ್ಕಾರದಿಂದ ಗುರುತಿಸಲ್ಪಟ್ಟಿರುವ ಸಂಶೋಧನಾ ಸಂಸ್ಥೆಗಳು/ ಏಜೆನ್ಸಿಗಳು/ಸಂಘ ಸಂಸ್ಥೆಗಳಿಂದ ಆಸಕ್ತಿಯನ್ನು ವ್ಯಕ್ತಪಡಿಸಲು ಆಹ್ವಾನ.

ಕರ್ನಾಟಕ ಸರ್ಕಾರದ ಸಾರ್ವಜನಿಕ ಶಿಕ್ಷಣ ಇಲಾಖೆಯು ರಾಜ್ಯದ ಸರ್ಕಾರಿ ಪ್ರೌಢಶಾಲೆಗಳಲ್ಲಿ, ಐಸಿಟಿ 1 ಮತ್ತು 2 ಯೋಜನೆಗಳಡಿಯಲ್ಲಿ, ಕಂಪ್ಯೂಟರ್ ಶಿಕ್ಷಣ ಹಾಗೂ ಕಂಪ್ಯೂಟರ್ ಆಧಾರಿತ ಶಿಕ್ಷಣವನ್ನು ಅನುಷ್ಠಾನಗೊಳಿಸಲಾಗಿದ್ದು, ಈ ಯೋಜನೆಗಳ ಮೌಲ್ಯಮಾಪನವನ್ನು ಕೈಗೊಳ್ಳಲು ತೀರ್ಮಾನಿಸಲಾಗಿದೆ. ಈ ಸಂಬಂಧ ಸರ್ಕಾರದಿಂದ ಗುರುತಿಸಲ್ಪಟ್ಟಿರುವ ಸಂಸ್ಥೆಗಳಿಂದ ಆಸಕ್ತಿ ವ್ಯಕ್ತಪಡಿಸುವ ಅರ್ಜಿಗಳನ್ನು ಆಹ್ವಾನಿಸಿದೆ. ಆಸಕ್ತ ಏಜೆನ್ಸಿಗಳು "ಇಚ್ಛೆಯನ್ನು ವ್ಯಕ್ತಪಡಿಸಲು" (Expression of Interest) ಪ್ರಸ್ತಾವನೆಯನ್ನು ದಿನಾಂಕ:27-01-2011 ರೊಳಗೆ ಕಛೇರಿ ಅವಧಿಯಲ್ಲಿ ಸಲ್ಲಿಸಬಹುದಾಗಿದೆ.

ಹೆಚ್ಚಿನ ಮಾಹಿತಿಗಾಗಿ ಕಛೇರಿ ಅವಧಿಯಲ್ಲಿ ಉಪನಿರ್ದೇಶಕರು, ಶಿಕ್ಷಣ ತಂತ್ರಜ್ಞಾನ ವಿಭಾಗ, ರಾಜ್ಯ ಶಿಕ್ಷಣ ಸಂಶೋಧನೆ ಮತ್ತು ತರಬೇತಿ ಇಲಾಖೆ, 100 ಅಡಿ ರಿಂಗ್ ರಸ್ತೆ, ಬನಶಂಕರಿ 3ನೇ ಹಂತ, ಬೆಂಗಳೂರು-560085 ಇವರನ್ನು ಸಂಪರ್ಕಿಸಿ ಪಡೆಯಬಹುದಾಗಿದೆ.

[website:http://dsert.kar.nic.in](http://dsert.kar.nic.in)

ದೂರವಾಣಿ ಸಂಖ್ಯೆ:26422372, 26422373, 26422374.

ನಿರ್ದೇಶಕರು

(ಸಂ ಮತ್ತು ತ)



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No:ETC-5/ICT 1&2/Eva/2010-11

Date:22-12-2010

Invites for "Expression of Interest" for a state-wide study on Impact Assessment of ICT Project in Karnataka.

The Department of Public Instruction has implemented computer and computer based education in Government High Schools of Karnataka under ICT 1 and 2 projects .It has been decided to take up evaluation of these projects. In this connection the interested Agencies empanelled with Government of Karnataka may submit Expression of Interest on or before 27-01-2011 during office hours.

For further details you may contact Deputy Director, E.T.Cell, DSERT,No.4,100 ft Ring road,Banashankari 3rd Stage ,Bengaluru-560085 during office hours.

Web Site:<http://dsert.kar.nic.in>

Email : ddetc.dsert-ka@nic.in

Ph.Nos.26422372,26422373 26422374.

Director
DSERT,Bengaluru-85

**Office of the Commissioner for Public Instruction,
New Public offices, Nrupathunga Road, Bangalore-560001.**

No.:ETC-5/ICT 1&2/Eva/5/2010-11

Date:21-12-2010

Invites for “Expression of Interest” for a state-wide study on Impact Assessment of ICT Project in Karnataka.

1. Commissioner for Public Instruction invites ‘Expression of Interest’ from professional consultancy firms/Non-Govt. Research organizations/ Autonomous Research Institutions/Universities/similar Agencies for conduct of a state-wide study on computer Education.
2. Interested firms/Organizations/Agencies may obtain ‘Request for proposal’ document as well as Terms of Reference (TOR) of the study from Director, DSERT, 100ft Ring Road, Banashankari, 3rd stage, Bangalore-560085 during office hours 23-12-2010 to 27-01-2011 either in person or by post. Interested firms/Organizations/Agencies may obtain further information at the same address and phone numbers. Office:080-26422372, 26422373, 26422374.
3. Completed document ‘Request for proposal’ along with a full length of Research proposal with technical and financial details, as per the requirements outlined in the TOR may be submitted to the Director, DSERT, 100ft Ring Road, Banashankari, 3rd stage, Bangalore-560085 on or before 27-01-2011 Technical/financial proposals of the research study shall be scrutinized by an expert committee constituted for the purpose.
4. Agency should also submit audited statement of accounts for the last 3 years.
5. The Agency needs to provide a brief overview of their research experience in general, in education, in ICT in Karnataka State.
6. A brief profile of personnel proposed to be engaged for the study is also needed.
7. Agencies short listed by the expert committee shall be invited to make brief presentation of their project outline. The review of presentation shall be made by a committee chaired by Commissioner for Public Instruction.
8. The project may be entrusted to one or more than one Agency depending upon the volume of work and capacity of agencies.
9. Selected firm/Organization/institution/agency/university shall be invited to enter into a contract with the Commissioner for Public Instruction to take up the study within a given time-frame. The prospective firm/organization/institution/agency/university will have an opportunity to obtain clarifications regarding scope of work, Terms of Reference, contract conditions, time-line for the study, or any other subject of mutual interest.
10. For further details, you may also contact Director, DSERT, during office hours./
Website: <http://dsert.kar.nic.in>.

Commissioner for Public Instruction

Impact Assessment of ICT project in Karnataka

TERMS AND CONDITIONS FOR EVALUATION

1. The sample for the study should be based on representative coverage of all schools of the state.
2. The study should be completed within the stipulated period.
3. Bio-data of the researchers with an outline of recent experience should be duly attached.
4. The proposal should be submitted in two parts i.e., Technical and Financial.
5. The study time is estimated to be about four month's elapsed time. The proposal should be based on this figure.
6. The researcher is requested to hold their proposal valid for 90 days from the date of submission during which period the researchers will not make any change in proposed finance. This office will make its best efforts to finalize the agreement within this period.
7. The cost of preparing the proposal and visits made for negotiating proposal is not reimbursable.
8. Assuming that the contract is accepted the researcher is expected to take up the assignment within 30 days of acceptance.
9. Recent Income Tax returns statement of the researcher should be duly enclosed.
10. The mode of payment would be
 - a) 20% of the total agreed amount- on acceptance and awarding of Consultancy.
 - b) 30% of the total amount agreed on submission of inception report.
 - c) 30% of the total agreed amount-on final submission of draft final report.
 - d) 20% of the total agreed amount-on submission of the final report.
11. The final report should be submitted both in hard and soft copies (in CD only)
12. It is considered desirable that the researcher/representative may visit the concerned office/field before taking up the assignment in order to obtain first hand information on the assignment and the local conditions.
13. The researcher should make a presentation of the findings (draft) before the Expert Committee before handing over the final report. The Expert Committee may make any suggestions or recommendations.
14. Final presentation after incorporating suggestions/recommendations made by the Expert Committee.
15. Data gathered during the study should be shared with the Government.

TERMS OF REFERENCE

Impact Assessment of ICT project in Karnataka

- **Proposal**
- **Back Ground**

The state of Karnataka has gained world wide recognition for being in the vanguard of the revolution in the Information and Communication Technology. It is all more necessary for the State to produce bright scholars who are skilled in computers to meet the requirements of the present day society. Realizing this need, Government of Karnataka in 2000 took a decision to introduce and strengthen Information Technology in schools.

Computer Education and Computer based Education was introduced in 1000 Government Secondary Schools under Mahiti Sindhu project, which was funded exclusively by the state. Centrally sponsored scheme "ICT@school" has been implemented in the year 2007-08.

The main objectives of the project are to build capabilities and necessary skills in those who pursue higher education and desire to enter the world of work.

- **Main Features**
- Computer education and computer based education has been implemented in 1000 government secondary schools from 2001 under Mahiti Sindhu Project.
- Mahiti Sindhu Project was closed on December 2005, Again MSP was extended for the period of 3 years from 2007-08 to 2009-10. Computer Education and computer based education continued in 1009 Government Secondary schools under this project.
- In addition to this ICT phase-1 has been implemented to provide computer education for the benefit of 8th to 10th standard students from 2007-08 for the period of 5 years in 480 Government Secondary schools.
- ICT phase-2 has been implemented in 1571 Government Secondary schools from 2008-09 for the period of 5 years.
- In Karnataka there are 4164 Govt. Secondary Schools. Out of which 3060 schools have computer facilities (MSP-1009, ICT 1-480, ICT 2-1571).
- In Karnataka the access of computer education is very wide, in future the act and plan will be ready to provide this type of education everywhere. It is necessary to evaluate the efficiency, relevance and quality of computer education and curricular achievements.

For this purpose the proposals will be invited from the organizations which have demonstrated expertise.

Objectives of the study

1. To assess the competence of students in using computer.
2. To examine the performance levels of the students gained through computer and computer aided education in different subjects.
3. To study the competence of teachers in teaching school subjects using computer and supportive equipments.
4. To study the relevance of software with curriculum and textbook of the prescribed class.
5. To study the utilization of curriculum friendly CD's, DVD's, internet facilities in teaching learning process.
6. To understand the computer literacy for different standards, gender, socio-economic status and for different localities.
7. To assess and compare the performance of students in schools with and without computer facilities in various school subjects.
8. To assess the impact of computer facilities with regard to the enrollment and attendance levels of the students.
9. To assess the computer lab facilities provided in the secondary schools.
10. To study the attitude and concern of community towards computer education.
11. To review the training component of computer instructors and other teachers of the school.
12. To explore the impediments coming in the way of the scheme and suggest ways and means of overcoming them.

In total the information collected pertaining to the scenario of computer education, quality, etc. may be indicated in the report and in future the steps to be taken, and recommendations for improvement etc., also should be mentioned in the report.

Methodology of Evaluation.

For conducting this study triangulation system is adopted.

- **First vertex of triangle**

Analysis of secondary data-Verification of registers at State level, District level, Taluk level offices and schools.

- **Second vertex of triangle**

Collection of primary data- Collection of data from schools (Annual exam and other documents) community and educational officers.

- **Third of vertex of triangle**

Case study - collection of data for sample study from the schools which function properly and which do not function properly and also focus of discussion.

SAMPLE:

10% of the schools may be selected as the sample of the study.

- Hence in 2051 schools ,minimum 205 schools could be selected for study. In 205 schools 48 ICT phase – 1 schools and 157 ICT phase – 2 schools could be taken for study.
- The allocation of schools may be given in this way. Specific evaluation should be taken up for ICT phase-1 and ICT phase-2 schools and also reports may be submitted for these schools individually and totally.
- The study is restricted to 8 districts of 4 divisions. In each division one district with highest SSLC result and another with lowest SSLC result should be selected for study (2010 March SSLC result).
- In the next step one block each with highest and lowest SSLC result may be selected in these 8 districts. Hence the study will be conducted in 16 educational blocks.
- In each block phase I and phase II schools may be enlisted. From this lists 10% of the schools may be selected for study through random selection. Hence 16 consolidated lists are available in 16 blocks out of 2 different projects.
- The schools excluded under this project may be enlisted in these blocks. Totally 20 schools may be selected by applying random sampling method ie, 1 school per block.
- At the time of comparative study/analysis, consider these 20 non-computer education schools as a unit.
- 10% of 2051 computer education schools works out to 205 schools. The total number of schools is 225 including 20 non-computer education schools. (Select one additional school in each block in any four big blocks).
- In 225 schools 10 students (5 boys+5girls) each from 8th, 9th and 10th standards may be selected for study. The substitute school should be selected for study, if the boys

or girls school is selected by random selection.

- Hence the total number of students will be 6750. But the maximum limit of students is 6800. There is a provision for selection of CWSN students for study. The sampling does not apply for selection of CWSN students.
- Examining of the concerns pertaining to learning aspects will be based on 6800 students selected for study. The results obtained based on the students individual variations may be identified and analyzed in the report.

Tools of the study

- Check list, inventory, interview schedule, observation schedule, case study, data sheets etc. required for study may be prepared by the agency with the co-ordination of departmental officers, lecturers of concerned DIETS, teachers and other interested people.
- **Reports**
Submit one inception report to the department.(Initial report of the study)

Interim report, final draft report and final report may be submitted.

- Interim report and draft reports may be made available for discussion in presence of departmental officers and computer education experts, (ICT phase 1&2 separately)

- **Time line**

Consider 15th November 2010 as date of commencement for conducting study, the field data should be collected with in 15th January 2011, the draft report and final reports should be submitted with in 15th February 2011 and 15th March 2011 respectively.

- **Financial estimate**

For this purpose Technical proposal and financial estimation has to be submitted with in a week.

The financial estimate may be furnished in the enclosed annexure.

Instruction: The department will Co-ordinate and Co-operate for conducting the study.

ANNEXURE

Estimation of Budget/Cost

Impact Assessment of ICT project

Sl.No.	Particulars	Total	Details
1	Salary for Research Staff *		1
2	Travel and DA for faculty and staff **		2
3	Printing, Xerox, stationery and communication		
4	Computer time and printing		
5	Project initiation workshop		
6	Preliminary findings workshop		
7	Project dissemination workshop		
8	Miscellaneous and contingencies		
9	Overhead charges		
	Total Rupees		
	Grand Total		

Details 1 *		Total
	Salary	Total
1	Faculty	
2	Research Officer	
3	Research Assistants	

4	Consultants/adviser		
	Total Rupees		

Details 2 **			
	DA Allowances	Total	
1	Faculty		
2	Research Officer		
3	Research Assistants		
	Total DA in rupees		
	Travel allowances		
1	Faculty		
2	Research Staff		
	Total Travel Allowances		
	Total TA and DA		



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Method of Selection :- RANKING of 'Agencies/Firms'

FORMAT of CRITERIA

Total Scores

Part A ORGANISATIONAL PROFILE

Part B Quality of Technical Proposal

[Document]

Part C [Power point] Presentation of Technical Proposal

Part D FINANCIAL PROPOSAL for L1/L2/L3/L4

(Standard Criteria)

PART – A

Criteria for short listing of NGOs/Agencies for Conducting Study

on computer education ORGANISATIONAL PROFILE

Sl. No.	Criteria	Max Scores	Sub-criteria to allot marks	Remarks
a	No of Years Existence as NGO/Agency			
b	Financial Stability Financial Turn over : means Receipts and payments of latest available 3 years less OB and CB, Financial Stability : Based on the average of years of data given.			

c	Experience in State			
d	Support Staff			
e	Office Infrastructure			
f	Relevant experience comprising 1. Research and Evaluation Studies 2. Quality Initiatives in Education 3. Advocacy (Publication of Books, magazines news letters training Literatura and others (Public contacts – seminars, workshops, public discussions and others) 4. Motivation and education 5. Projects handled			
g	Experience in school education			
h	Experience in Project area, Education/computer education related programmes in Karnataka			
i	Key Staff Professionals of Education/Research background Qualification/Experience of chief Investigator and others.			
j	Similar Studies undertaken related to computer Education.			
k	Any other Assignments/projects			
	Total			

PART – B

CRIETERIA for EVALUATION of EVALUATION/RESEARCH Proposals

on computer Education in Karnataka – 2010-11

Sl. No.	Contents	Score
a	Skeleton of the Study Proposal 1. Needs of the Study 2. Objectives of the Study 3. Design of the Study a) Variables b) Research Questions c) Tools d) Design of the Field Work e) Planning for Analysis of data 4. Reports: Plan of reporting	

b	Delineation of the Perception of the problem – including reference to earlier studies. If any,	
c	Design of Field work showing distribution of sample schools across the state reflecting therein sex/social class disparities, Regional disparities, Rural & Urban disparities (as applicable)	
d	Plan of Field Work (Including Man Power: No. & Quality for data collection, Supervision & Monitoring quality of data.)	
e	Analysis of Data Suitability of technique of analysis to type of Variables and Sub variables and Knowledge of school related records.	
f	Language of the Proposal Clarity, Simplicity and Consistency	

PART – C

CRITERIA for EVALUATION of Power Point PRESENTATION of PROPOSALS

11. Understanding of the Problem and clarity of Problem, Process and outcomes
12. Adequacy of the proposal to satisfactorily address the needs of the study including suitability of the research design and process chalked out for completion of the study
13. Clarity consciousness and language of presentation
14. Adequacy and satisfaction in responding to questions, and discussion

PART – D

FINANCIAL PROPOSAL

Score as per Standard Criteria