

Research Studies Under SSA.



**Research, Evaluation & Studies Unit
Ed.CIL's Technical Support Group**

Introduction

Research has played an important role in implementation of SSA. Under SSA, studies have been conducted at both national level and state level for a variety of purposes, such as to provide feedback on effectiveness of the different inputs, to highlight the problem areas in implementation and to suggest changes in interventions to make them more effective.

In this brief report, information is being provided on the studies conducted or completed in 2005-06 or 2006-07, the on-going studies and the studies proposed to be conducted in 2006-07. In Section A, the studies conducted or proposed to be conducted at national level are covered, except those that were planned or conducted by NCERT and NIEPA as a part of their own research agenda. In Section B, similar details are given for state level studies for the different states based on the information supplied by the states.

A. National level

Research studies concerned with SSA are conducted at national level mainly by NCERT, NIEPA and Technical Support Group (TSG) of Ed.CIL. NCERT has been responsible for conducting achievement surveys at national level and also developing a system for regular Quality Monitoring through submission of quarterly reports.

The Research & Evaluation & Studies Unit (RESU) of TSG plays a major role in getting large scale studies / surveys conducted when the need for any study or survey is felt by the Ministry of HRD or is suggested by a Joint Review Mission. There is a Research Advisory Committee which discusses research issues and suggests studies to be undertaken. Sometimes studies are conducted on issues arising from analysis of DISE data. All the studies that are proposed have to be finally approved by the Committee for Approval of Research Projects (CARP) which is chaired by Secretary (SE&L), Ministry of HRD.

Generally, after the topic of research is decided, an outline of research proposal is developed by RESU and then proposals are invited from NGOs, universities and other organizations either by advertisement or by selecting agencies on the basis of their experience and specific expertise. Sometimes Monitoring Institutions identified for SSA are selected for conducting research studies.

For the studies involving several states, effort is made to develop a common methodology and to prepare the tools of data collection centrally at TSG with the help of external resource persons. Also, detailed sampling plan is developed and samples of schools or villages are drawn centrally for all the participating states, to facilitate data collection and to ensure uniformity in sampling across states. This is particularly important since often; different agencies are selected for conducting the study in different states.

Given below is the information about national level research studies conducted in 2005-06 or proposed to be conducted in 2006-07 with active involvement of

Research, Evaluation and Studies Unit of Ed.CIL's Technical Support Group for SSA.

1. Studies conducted in 2005: *All India Sample Survey to estimate the number of Out of school children in the age group 6-13.*

A major sample survey that was conducted in 2005 was for assessing the number of out of school children in the country in the age group 6-13. While RESU provided technical guidance and helped in selection of samples of villages and urban blocks and in estimation of the percentage and number of out-of-school children, the survey was actually conducted by SRI-IMRB in all the states and UTs covering rural and urban areas of 588 districts. Data were collected during the months of July to October 2005 from a sample of 87874 households in 3178 villages and 1823 urban blocks. The findings of the survey indicated that the country has about 19.4 crores children in the age group 6-13 (i.e. 6 to below 14 years), of whom 6.94% children are out of school. Amongst the out of school children, 68.3% children never attended school and 31.7% were dropouts. Further, out of those children who were attending school, 97.4% studied in Government or Private recognized schools (including recognized Madrassas/ Sanskrit Pathshalas) and another 1.9% attended unrecognised schools. The remaining 0.7% children attended EGS schools, AIE centres or un-recognized Madrassas/ Sanskrit Pathshalas. The report has been widely disseminated and also placed on the Ministry web-site <www.education.nic.in>

2 Research studies in progress

i) Study of factors affecting achievement of students at the end of primary level

This study is being conducted in four states – Uttar Pradesh, Orissa, Karnataka and Maharashtra. In each state, two DPEP Districts have been selected for testing the students of terminal grade of primary stage (grade V in Uttar Pradesh and Orissa and grade IV in Karnataka and Maharashtra). The main objective of the study is to find out how various school and teacher variables affect students' achievement. The samples of schools selected for the study are the same as were selected for Terminal Assessment Survey of DPEP. The tests in language and Mathematics that have been used for testing students are the same as were used in TAS, since the second objective of the study is to find out what the achievement level of students is after two to three years of termination of DPEP. A third objective of the study is to assess the level of literacy and numeracy attained by students who are about to complete their primary education, using appropriate tests of literacy and numeracy.

ii) Study of Teachers' absence in primary & upper primary schools in 5 states:

The study is being conducted in the state of Andhra Pradesh, Bihar, Jharkhand, Madhya Pradesh, and Uttar Pradesh by covering 400 schools in each state except Jharkhand where this number is 350. The study proposes to estimate teaching days lost due to teachers remaining absent from school and to ascertain the reasons for absence. Besides studying teachers' attendance from school records for the academic session 2005-06, teachers' attendance will be observed during two unannounced visits to schools at a gap of 5 to 6

weeks during the academic session. Effect of teachers' absence on students' attendance and achievement, grade repetition, and dropping out from school will also be studied. The schedules for data collection are ready and samples of schools have been drawn. The study will be conducted by different agencies, one for each state, using common methodology and tools.

iii) Study of Students' attendance in primary and upper primary schools in 21 states.

The study is being conducted in 21 major states including NCT Delhi. The sample size in each state varies between 300 and 400 schools. The attendance of students will be separately estimated for different groups of students from school records as well as head counting during 3 unannounced visits of schools. Estimation of effect of students' attendance on students' achievement, repetition rate and drop out rate will also be part of the study. The schedules for data collection and sampling plan have been finalised. The study will be conducted by different agencies in different states, using common methodology and tools.

3. Studies to be undertaken in 2006-07

In addition to the above studies, the following studies are proposed to be undertaken in 2006-07.

- i) Study for evaluation of civil works***
- ii) Reasons for large decline in enrolment between class I and class II***
- iii) Time on task study for students***
- iv) Study of deployment and professional competence of para teachers***
- v) Study to assess the level of inclusion of children with special needs (in six states)***
- vi) All India sample survey for estimation of dropout rates***

B. Research studies undertaken/Proposed by States/Union Territories.

Andhra Pradesh

2005-06

- Terminal Assessment Survey (TAS) in 14 DPEP-II districts
- Scholastic backwardness among rural elementary school children : The role of classroom teaching practices
- Identification and management of primary school children with learning disabilities
- Study of the prevalence of learning disability in Andhra Pradesh .
- Need of developing life skills in reproductive health at primary level
- Evaluation of the impact of in-service teachers' training
- Evaluation of DPEP in Andhra Pradesh

- Evaluation of the State wide school-radio broadcast

2006-07

- Achievement survey for upper primary level
- Impact of CLIP in schools across the state
- Evaluative study on construction of school buildings
- Cohort Studies
- Performance and functioning of Alternative school in tribal areas.

Assam

2006-07

Studies proposed to be undertaken

- Third party evaluation of the functioning of EGS centres with focus on the learning achievement level of the children.
- Action research on the functioning of the AIE centres with focus on the retention of mainstreamed children in the formal schools
- Third party evaluation of the functioning of HTR centres in the urban areas with focus on their coverage of working children.
- Action research on teachers' absenteeism
- Action research on the acceptance level of the integrated text books introduced in class – I and II.
- Impact assessment study of the convergence programme under early childhood education with focus on its effectiveness in ensuring the enrolment of the children in Class-I
- Action research on the status of education of the children enrolled in the unrecognized Madrassas and Maktabas.
- Third party evaluation of the impact of IED interventions with focus on ensuring their enrollment and retention in the school.

Bihar

2005-06

- Evaluation of ECCE Component
- Evaluation of Community Mobilisation Component

2006-07

- Evaluation of Alternative Schooling Component
- Evaluation of Mahila Samakhya Component
- Dynamics of Grade I Enrolment
- A study on Grade Repetition
- A study on Teachers & Students absenteeism
- A Study on Utilisation of Grants

- Sample checking of DISE data Cohort Study through child tracking method

Studies proposed to be undertaken

- Study on status of SC children in Gaya district
- Study on effect of seasonal migration on children education.
- Study related to involvement of Panchayati Raj Institution in schools and effectiveness of this institution.
- A comparative study of the motivation level and performance of regular and para teachers at primary / elementary level
- Effect of Mid-day meal programme and other incentive schemes in enrolment and retention of studies.

**Chandigarh
2005-06**

- A study on National symbols.

2006-07

- Impact of Community support on elementary school students participants
- Comparative study of achievements of regular students and those enrolled from AIE Centers under SSA
- Innovative practice and motivational level of teachers running AIE centres run by NGOs under SSA.
- Role of vocational education in India
- Pupil teacher Ratio in vocational courses in schools.
- Impact of CAL on Quality of Education

Studies proposed to be undertaken

- Innovative practice and motivational level of teachers running AIE centres run by NGOs under SSA.
- Role of vocational education in India.

**Delhi
2005-06**

- Training needs of Teachers/Educational volunteers of NGO run Alternative learning Centres in Delhi
- Evaluation of 20 days INSAT programme under SSA

Gujarat
2005-06

Forty two research studies were allotted to various agencies. Draft reports of 32 studies have been received.

- Comparative study of teachers in Govt. and private schools
- Study on administration and management of primary schools in tribal areas
- Usefulness of the resource materials prepared by DPEP/ SSA Gujarat in activity based teaching learning process in classroom
- Sample monitoring on impact of training of teachers for multigrade teaching
- Role of CRCs and BRCs in Quality Improvement
- Effectiveness of cluster resource centres (CRCs) : an evaluation Study
- Gender sensitization in primary schools of Gujarat on new curriculum structures
- A study on effect of economic, ecological and social background of areas and communities on primary school system
- A study on gender concerns in school activities and classroom practices in primary schools
- A study on the time management practices of primary school Head Masters
- A study on the functional efficiency of schools in Gujarat
- Impact of teacher's training on students' attendance and achievement.
- Status of students and Balmitras in Alternative Schooling system
- Problems faced by DPC, BRCs, CRCs, OIC- TT, OIC -Gender, and teachers for implementation of SSA.
- Perception of community members of different committee's viz. VEC, MTA, PTA regarding SSA & its implementation.
- Impact of number of students in class, average attendance of students on retention and achievement of students.
- School and home related factors affecting the achievement of students.
- A comparative study of physical and co-educational environment in Govt. and private schools.
- Study regarding out of school children of migratory families – the causes and solutions
- Study of impact and usefulness of bridge / condensed courses
- Study of utilization of teacher – grant for preparation of teaching learning material (TLM)
- Impact of District Primary Education Programme on enrolment and attendance of boys/ girls
- Impact of Integrated Education for Disabled Children – IEDC scheme under SSA
- A study of perception of lady teacher of Vadodara corporation schools
- Evaluation study of the Early Childhood Care Education (ECCE) programme in SSA

- A study of effectiveness of educational support given by BRCs, CRCs and DIETs
- Role of family, community and school factors in improving retention and achievement level of disadvantaged children
- Classroom observation in the schools of SSA districts
- Impact evaluation of free text-books distribution on enrolment and retention of under privileged students and teacher / parent satisfaction
- Causes of low enrolment and dropout of SC and ST girls in primary schools
- Impact of teachers' training on activity based participatory teaching – learning process in classroom transaction
- A study of role preferences of educational administrators (DPC) of Gujarat
- A Study on gender sensitivity of teachers
- Analysis of the types of TLM and the use of TLM by students
- Role of innovative programmes in developing social awareness conducted by SSA - DPEP
- A study to find out reasons of dropout of children and processes adopted under Alternative Schooling
- Recruitment of teachers at district camps
- A comparative study on Impact of use and non use of TLM in classroom process
- Study of primary school on regular attendance of teachers and students
- A comparative study of birth rate and enrolment rate of children in Gujarat.
- Study on gender sensitizations training imparted to teachers and its effects on behaviour and attitude of the teacher.
- A study on assessment of actual impact and outcomes in terms of girls participation, regular attendance and learning levels and differences in teaching practice of NPEGEL blocks of Gujarat

Haryana

2005-06

- A study on modality of providing cooked meal in primary schools & its effect on teaching learning time of teachers & pupils.
- Dropout rate in Upper Primary schools of Rewari & Karnal districts.

2006-07

Studies proposed to be undertaken

- Impact of NPEGEL on girls' education in Haryana.
- Household survey
- Updating of school mapping
- Achievement level tests of students of class II, IV & VI
- Impact studies to see the achievements on various interventions being undertaken under SSA.

Himachal Pradesh

2005-06

- Out of school children
- Cohort-study

2006-07

- Efficacy of newly developed text books (English, Hindi, Maths, EVS of class 1st to 4th)
- Effectiveness of Modal Cluster Schools under NPEGEL
- Analytical report on Elementary Education in Himachal Pradesh

Studies proposed to be undertaken

- Comparative study of achievement level of SC/ST/Gen Girls)
- Study on the Effectiveness of EGS Centre in enrolment of student to formal schools
- Impact of Teacher Training on the performance of teachers at Elementary level District – Mandi & Kullu
- “Why out of School” – to study out of school children in two blocks of district Mandi & Project area of Kullu district
- To study TLM development and its uses in classroom process
- A study of MGT and its effect on teachers
- To study the impact of MDM on teachers, enrolment, retention and health of children
- The impact of remedial teaching in students achievement level
- Community involvement in school activities
- Impact of Mid-day-meal in student learning
- Impact of school management on the students outcome/personality
- Study on PTA/MAT participation in school management

Jharkhand

2005-06

- Terminal Assessment Study
- Impact study of NPEGEL in Jharkhand
- Community mobilization
- Study on Children with special needs
- Effect of Early Childhood care centers
- Use of VEC Grant
- Effect of Mid Day Meal on School Attendance
- Cohort Study
- Impact study - Tribal & Muslim girls in Jharkhand
- Class room proceeding in DPEP districts
- Impact of teacher training in DPEP districts

2006-07

Studies proposed to be undertaken

- Attendance status of children in School
- Effectiveness of BRC & CRC & remedial measures and evaluation of Block resource person & cluster resource person
- Effectiveness of para teachers on enrollment and children achievement
- A study on transition position of class V to VI children, reason & solution of low transition
- Evaluation of EGS upgraded into primary school & evaluation of bridge course centres for mainstreaming children
- Study of IED children

Karnataka

2005-06

- Enumeration of out of school children of the age group 3-14 years
- District Quality Education Programme in Chamarajnar district
- Accelerated Reading Programme in Bangalore & Dharwad districts
- Learning Initiatives (Kalika Yatna Programme) at Hunsur Block in Mysore district
- Karnataka School Quality Assessment Organization (KSQAO): assessment study in all government and aided primary schools.
- Evaluation Study on functioning of SDMC in Karnataka

Kerala

2005-06

- House Hold Survey
- A study on Teacher Training under SSA
- A study on Integrated Education for Disabled children under SSA
- A study on utilization of Teacher grant, School grant and maintenance grant under SSA
- A study on Innovative Programmes for SC/ST, Girls Education, Computer Education and ECCE
- A study on Alternative and Innovative Schooling under Sarva Shiksha Abhiyan
- Effectiveness of Teacher Education
- Assessment of achievement level of pupils of grade IV in EVS, Mathematics and Social Studies and of grade VII in Malayalam, English, Hindi, Social Studies, Basic Science and Mathematics.

Madhya Pradesh

2005-06

- School Chalen Hum Programme year 2005-06
- Cohort study in 18 districts

- Case study of GIAN Library of Chhindwara
- Rapid assessment of girls' education under NPEGEL blocks.

2006-07

- Review of NPEGEL activities in Ujjain division
- Cohort study
- Rapid assessment study of role of Balika's Chhatrawas in girls' education.

Studies proposed to be undertaken

- Impact study of Continuous Evaluation of Teaching Learning process in class1-5 on school achievement
- Studies on subject wise low achievement areas (Hard spots) & its qualitative reasons
- Impact of teacher training programme
- Study on Social Gaps in Enrolment & Retention
- Evaluation of Teacher competencies
- To study the effect of Government Schemes on Attendance & Retention of Girls
- Impact assessment of interactive Radio Instruction for English at Primary level
- To study the planning of skills of functionaries at various level i.e. village, cluster, block and district
- To study the involvement of PTA in place preparation process at the village level, Rural (Tribal) Urban (Non-Tribal)
- A comparative study of reasons for girls and boys not passing the examination of 5th and 8th Class

Maharashtra

2005-06

- Baseline Assessment Study 2004-05 for 3rd grade in Mathematics and Marathi and 6th grade in Marathi, English and Mathematics covering 27,212 students of grade I and 41,655 students of grade VI
- SMART-PT Review of Restructured Syllabus in English covering 4094 Lower Primary schools, 5377 Upper Primary schools

Meghalaya

2005-06

- A study on assessment of Quality Elementary Education in Elementary Schools (2 districts)

2006-07

- A study on assessment of Quality Elementary Education in Elementary Schools (5 districts)

- Case study on the effectiveness of EGS under SSA
- A comprehensive study on dropout rate at Elementary stage in Meghalaya

Studies proposed to be undertaken

- Study on utilization of school grants
- Impact of Midday Meal programme on enrolment, health of students

Mizoram

2005-06

- Role of Anganwadi in School readiness – a critical study

2006-07

Studies proposed to be undertaken

- A study on impact of IED intervention
- The effect of Mid-day Meal on School enrolment
- Study of the performance of teachers in the context on non-utilisation of teaching aids and the effects it has in the learning outcome of children
- In depth study of English medium schools in Mizoram
- A study on the adjustment of disabled children in integrated setting
- Cohort Study on Enrolment/Retention
- Base-line Achievement study.

Nagaland

2006-07

Studies proposed to be undertaken

- Impact Assessment of SSA & Communitisation

Orissa

2005-06

- Evaluation of competencies of Education Volunteers in class Management and Teaching
- Functioning of the EGS centres in the State : comparison of the Govt. and NGO managed centres (Balasore)
- Effectiveness of monitoring system of EGS centres

2006-07

- Scholastic achievement of tribal children at primary level whose home language is different from instructional language
- Scholastic achievement of girls reading in Class-IV through residential and non- residential school

- Assessment of content needs of primary school teachers of Koraput district - priority in female literacy among tribals of Orissa
- Learning Teaching problems of tribal children and development of strategies
- Impact of Teacher Training Programme in English under SSA
- Impact of MTA Training Programme under SSA
- Study on Implementation of Inclusive Education under SSA
- Impact of Teacher Training Programme UDAY-II(Upper Primary School Teacher)
- Documentation of Success Stories
- Assessment of Operation and impact of NPEGEL Programme
- Impact Assessment of BiCEP Programme
- Evaluation of VEC training Programme
- A comparative study of achievement level of Boys and Girls in Mathematics of class – IV students of Bolangir Town

Pondicherry
2005-06

- Survey for identification of Out of school children and Children with special needs.
- Cohort study

2006-07

- House hold survey

Punjab
2005-06

- Household survey conducted in 2005-2006. It showed that parents are attracted by computer education in private/model schools. Hence computer education has been started in upper primary schools. Primary schools have also been attached to these schools
- Survey conducted to identify CWSN

2006-07

- House Hold Survey
- Cohort Study

Studies proposed to be undertaken

- Social Assessment study on IED Children
- Social assessment study on girl child
- Social assessment study on minority children
- Achievement survey at upper primary level

Rajasthan
2005-06

- In-depth study of the status of primary education of SC and ST children with reference to enrolment, retention and achievement
- Terminal achievement survey (TAS) with reference to DPEP phase-I.
- In-depth study of the factors affecting girls enrolment, retention and achievement
- A study of the effectiveness of teachers' training under DPEP phase-I

2006-07

Studies proposed to be undertaken

- Mid Term Achievement Survey in SSA Districts
- A study of the different interventions for out of school children in the state of Rajasthan.
- An in-depth study of the computer aided learning programme with special reference to the class room processes and learner's achievement.
- An in depth study of the socio-economic, academic and other factors responsible for low and high Enrolment, Retention and Achievement of girls.
- Study of the status of alternative schooling under SSA and its impact on Universalisation of Elementary Education (U.E.E)
- An in-depth study of the present status of elementary education of urban deprived working, street children and developing the strategies for useful and relevant education for them.
- An in-depth study of the effectiveness of ECCE programme, ICDS and Balbari (Day Care centre) centres in achieving the goals of SSA.
- An in depth study of the classroom processes and their bearing upon learner's retention and their achievement
- An exploratory study of the status of Elementary Education of children with special needs (CWSN).
- A study of the community motivation and mobilization strategies with reference to their bearing upon the active participation of the community in achieving the goals of SSA
- An exploratory study of the functioning of DPCs, BRCs and CRCs in management of SSA programme
- A study of block level trends of cohort drop-out rates in Elementary Education from 1998-99 to 2005-06

Tamil Nadu
2005-06

- In-depth Studies at grassroot level for AIE/IED/Girls Education
- Mega -project of School Mapping undertaken using GIS and GPS
- Two research studies completed on Inclusive Education
- Study on Empowerment of VECs

- Study on Impact of Training
- Evaluation of effectiveness of BRCs in Cuddalore and Villipuram districts
- Evaluation of Computer Assisted Learning (CAL)

Tripura
2005-06

- Cohort Study
- House hold Survey

Uttaranchal
2005-06

- Continuous and comprehensive evaluation programme in Uttaranchal
- Preparing Teacher profile data completion and analysis of profile

2006-07

- Convergence of other Govt. scheme and programme with primary education programme and its effect in quality of education especially in the context of MDM and ICDS
- Effectiveness of multilevel, multigrade teaching Kunjapuri Model and its use in large class situation
- Efficiency of management and resource support structure DIET, BRC, NPRC/ CRC created under DPEP with respect to educational management and school management
- Capacity of VEC and SMC to manage SSA programmes with special reference to ECCE, MDM and Financial management.
- Study of achievement level in language, mathematics of the student passing class I and IV
- To estimate and identify reasons for gradewise/classwise dropout and transition to upper primary school level
- To study impact and effectiveness of innovative programme in girls education
- Comparative study of para and regular teachers in Uttaranchal

Studies proposed to be undertaken

- The study of effectiveness and impact of school grading system in developing classroom management and school management
- Impact of CALP in learning achievement
- Studies on EGS/AIE
- External evaluation of civil work
- SC/ST intervention related study.
- Research studies related to SIEMAT

Uttar Pradesh

2005-06

- Pre and post evaluation of remedial teaching in primary schools of Uttar Pradesh
- A Cohort Study of SSA district in Uttar Pradesh.
- To Investigate the Opportunities Available to Children for Conducting Science Practical and Experiments in Upper Primary Schools.
- To study the effect of training in Maths and Science on the Teaching Learning Process in upper primary schools.
- To Study the utilization of Question Bank papers in Social Studies from Upper Primary Teacher Guides.
- Effectiveness of Teacher Training in English at Primary Level
- To Investigate the Causes for Non-Mainstreaming of Children from Alternative Schools.
- Impact of Corrective Surgery in Respect of Mobility.
- Effect of IED training on the attitude and behaviour of teachers towards Children with Special Needs (CWSN)
- An evaluation of ICDS Centres in SSA Districts of Uttar Pradesh
- Ascertaining the availability and use of Sanitation and hygiene Facilities (toilets and hand washing) in schools.

2006-07

- Ten research studies are proposed to be undertaken in 2006-07.

West Bengal

2005-06

- Study on School efficiency : Cohort Study' 2004 at primary level
- Study on Dropout students
- An assessment of in service Teachers' training programme in West Bengal
- Status of MSKs (Madhyamik Shiksha Kendra's)
- Study on achievement level status of ILIP and Non ILIP Schools
- Socio Economic status of the people living in tea garden area
- Impact study of the Link Library programme

2006-07

- Study on school efficiency : Cohort' 2004 at Upper Primary Level
- Educational Status among Minority Girls
- A Cohort study to estimate the internal efficiency of the alternative school system of the West Bengal
- A study on transition pattern between primary and upper primary level

Studies proposed to be undertaken

- Study on Alternative Schools in West Bengal at Upper Primary Level
- Causes of high grade repetition at upper primary levels
- Impact of the IED programme over DPEP districts

- Effectiveness of Bridge Course Centers in providing education to out of school children in the catchments area
- Assessment of In-service Teachers training programme
- Educational Status of tribal girls: A case study
- Survey to assess the extent of private school enrolment at the elementary level