

DPEP



जिला प्राथमिक शिक्षा कार्यक्रम
DISTRICT PRIMARY EDUCATION PROGRAMME

DISTRICT PRIMARY EDUCATION PROGRAMME (DPEP)

NATIONAL LEVEL SHARING WORKSHOP ON MIS IMPLEMENTATION

Chennai, Tamil Nadu

12th-13th September, 1997



NIEPA DC



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Educational Consultants India Limited

(A Govt. of India Enterprises)

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A Report on National Level Sharing Workshop on MIS Implementation

Venue

Technical Teacher's Training Institute (TTTI), Chennai

Date

12th – 13th September, 1997

Conducted by

MIS Unit

Ed.CIL's Technical Support Group,

District Programme Education Programme

Resource Persons

1. Mr. Ravi Capoor
2. Prof. Y.P. Aggarwal
3. Mr. D.K. Kar
4. Ms. Suvarna N.A.
5. Mr. Gopinath,
6. Dr. M.N. Rao
7. Mr. Talukdar
8. Mr. Naveen Bhatia



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(A Govt. of India Project)

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ABBREVIATIONS

DPEP	District Primary Education Programme
Ed.CIL	Educational Consultant India Limited
TSG	Technical Support Group
NIEPA	National Institute of Education Planning & Administration
MIS	Management Information System
PMIS	Project Management Information System
EMIS	Education Management Information System
MHRD	Ministry of Human Resource Development
NIC	National Informatics Centre
DISE	District Information System for Education
SPD	State Project Director
VEC	Village Education Committee
BEO	Block Education Officer
DEO	District Education Officer
DPC	District Project Co-ordinator
GOI	Government of India
BRC	Block Resource Centre
CRC	Cluster Resource Centre

NATIONAL LEVEL SHARING WORKSHOP ON

MIS Implementation

1. Introduction

Managing information better, has become an unceasing quest for mankind and a critical requirement for leadership in every and each sphere. District Primary Education Programme is first amongst the social sector projects in India, that is being so closely monitored through a computerised management information system. While considerable progress has been achieved, there is ample scope for the further improvement in the implementation, analysis and use of data emerging from the system. Cross sharing and learning from each other's experience is a powerful means for improving use and overcoming the difficulties. To address the issues and problems faced at different levels i.e. district, state and the national level on implementation of MIS and in particular to building of the school level databases for two years, a two days national level sharing workshop was organised at Chennai (12-13th September, 1997). This workshop provided an opportunity to introspect our EMIS related activities and to tie-up the loose ends in implementation and make the MIS achieve its objective of timely availability responsive to user needs and enhancing reliability.

2. Objectives of the Workshop

- The major objective of the workshop was to discuss the issues and problems related to MIS implementation.
- The problems encountered at the district and field level in collection, computerization analysis and interpretation of data.
- To discuss technical issues related to DISE 2.01 software.
- To identify the possible areas for improving the quality and reliability of data.
- To evolve a strategy for implementation of DISE 1997-98.
- To review the status of implementation of MIS in DPEP II-III states.

3. Participation

All the 14 states under DPEP were requested to send their state MIS-incharges and atleast two district MIS-incharges for the workshop. In addition, all the State Project Directors (SPDs) were also requested to attend the workshop on the second day to discuss the implementation issues and a framework for future strategies to make MIS more effective can be worked out.

All the states except Gujarat were represented. SPDs from Madhya Pradesh, Maharashtra, Tamil Nadu and West Bengal attended the workshop. The list of participants is annexed.

4. Resource Persons

The workshop was conducted in a participative manner. Resource persons from DPEP States, National Institute of Educational Planning and Administration (NIEPA), Ministry of the Human Resource Development (MHRD), Ed.CIL's TSG and NIC Chennai made their valuable inputs in different sessions. List of key-resource persons are annexed.

5. Proceedings

5.1 The Workshop opened with a welcome address by Mr. Ravi Capoor, Deputy Secy. MHRD. Mr. Capoor in his welcome address explained the need of this workshop and congratulated the State and District MIS staffs for their efforts and contribution in making available the DISE data for 1995-96 and 1996-97. He emphasised that, prior to the implementation of DISE 1997-98 an introspection of our past performances and problems encountered and emerging issues needs to be discussed amongst the members of the MIS family. He extended his thanks to Mr. Paramsivam, SPD Tamil Nadu and Dr. M. N. Rao, Principal Technical Teachers Training Institute (TTTI), Chennai for their active co-operation in organising this workshop.

5.2 Mr. Paramsivam SPD, Tamil Nadu welcomed all the participants from different States. Dr. A.K. Das, SPD West Bengal, Dr. M. N. Rao, Principal TTTI, Mr. Ravi Capoor and other resource persons for their kind presence at Chennai. In his opening remarks, he stated that it is honour to host this National level workshop at Chennai and briefed on the arrangements and different facilities made available for the participants. He invited Dr. M. N. Rao to formally inaugurate the workshop and to say few words.

5.3 Dr. Rao inaugurated the workshop and extended his warm welcome to all the participants and resource persons for the workshop. In his inaugural address, he highlighted the importance of data reliability and its immense potentiality for decision making. In this regard, he explained the concept of total quality management in present industrial set-ups and its relevance in

the education sector also. He quoted "Quality is a journey not the ultimate destination". Hence at every time, there is a scope for improvement. He wished the workshop all success.

5.4 Mr. Dharendra Kumar Kar, Consultant MIS unit, Ed.CIL's TSG gave a short introduction on the need of this workshop and emphasised on the sharing of each others experience in EMIS implementation. He broadly threw some lights on the national level issues and problems encountered in the implementation of MIS. In his presentation, he explained in detail, need for quality in the final information emerging from the EMIS. The presentation highlighted the following major concerns.

1. Data is sent to DPEP Bureau/TSG because it is requirement of the DPEP Bureau.

- No one owns the data and see.
 - ❖ Whether data is complete?
 - ❖ Data files are properly copied in the floppies?
 - ❖ Standard backup facilities are not used as provided in the softwares for taking backups?
 - ❖ Whether the floppies are infected with viruses?

2. Most of the times the data/reports received from the states suffers from:

- *Incompleteness*
- **Types of Missing Information;**
 - ❖ Data for one or two blocks is missing.
 - ❖ Data for some schools are missing.
 - ❖ Data on certain aspects, like SC/ST enrolments, school type are missing.

3. Before sending the data, reports are not generated to see that the data and information are consistent.

4. Validation checks and consistency checks are not performed; which in turn produces reports that are internally inconsistent.

5. Data are frequently changed and modified

- The essence of data reliability is lost.
- All the analysis and planning strategies arrived from the analysis becomes meaningless.
- The cost of making accurate and efficient planning based on in-accurate and unreliable data may be very high for the entire system.
- The aim and objective of maintaining an efficient MIS is lost.

5.5 After Mr. Kar's presentation Mr. Capoor summed up the National level issues. He explained the need for having this EMIS under DPEP to bridge the gaps of the existing educational information system. He continued "Not to come under the same trap; as in the existing system" while implementing EMIS and in particular to the frequent changes in the databases. He asked the state MIS incharges to build-up capacities at the district level and transfer the ownership and responsibility of implementation to the districts.

In the terms of reference of the workshop, State MIS incharges were requested to make a presentation broadly which was to include the followings:

- Status of MIS implementation in the State (DISE and PMIS),
- Problems encountered during implementation,
- Issues on which the State requires DPEP Bureau to take suitable action,
- Special features or highlights which the State has achieved in addition to the normal implementation for the purpose of cross sharing with the state, and
- Future strategies which the state proposes.

Terms of Reference of the Workshop is annexed. Statewise presentation on these are as follows:

5.6.1 Mr. D.K. Mishra System Analyst, Haryana, started his presentation with a brief introduction on DPEP. He explained the broad objective of DPEP, its linkages with project interventions and proper monitoring through MIS. Status of the MIS implementation in the state were presented. He emphasised on the training needs for teachers on filling of data capture formats. He requested DPEP Bureau to organise training on Power Builder for technical skill up-gradation of MIS staffs at state and districts level. Copy of his presentation is annexed.

5.6.2 Mr. Deepak Verma, State EMIS - Incharge, Madhya Pradesh presented on the status of EMIS implementation and major operational problems in the DISE 2.01 software. He suggested certain modifications in the DISE software like:

- During initialization of clusters, it should be made blockwise, instead of independent clusters.
- One vertical column for total enrolment needs to be added in the enrolment summary report.
- Facility for removing the password be provided.
- Facilities for taking out complete print out of the DCF for a particular school needs to be provided.

He also explained the system of monitoring attendance through Lok Sampark Abhiyan. Copy of his presentation is annexed.

5.6.3 Mr. N. Prabhakar, Programmer, State Project Office, Bangalore presented for Karnataka. He informed that except for one district i.e. Mandya the EMIS data and reporting work for all the districts is complete. In his presentation, he emphasised on the timely availability of information to the project authorities for smooth implementation. He described the future strategies for Karnataka and their plan to complete the entire EMIS implementation work, from data collection to final report generation in three months time. Mr. Prabhakar raised the issue of appointment of teachers as data entry operators at the State and the District level. He requested that only technically qualified persons should be appointed as Data Entry Operators, to be able to take care of the minor implementation problems in the absence of the Programmers. Copy of his presentation is annexed.

5.6.4 Mr. Ajit, System Analyst Kerala made his presentation broadly on three broad parameters (a) the past of MIS, (b) the present, and (c) the future. He raised the issue of some static information on schools particulars that is being collected every year, which has implications in the quality of data. He pointed out that, now it is the high time for introspection and assessing the need for re-designing of the Data Capture Formats (DCFs).

5.6.5 Mr. V. P. Sarmah, State level MIS-Incharge, Assam gave a brief account of the present status of MIS implementation. He raised the issue of high turn over of MIS personnel at the state and district level, which in turn affecting the implementation process. He mentioned job in-security and lack of competitive salary as per IT industry standard is the major reason for high

turn over. He also mentioned, the frequent changes in the software has jeopardised the implementation process in the State.

- 5.6.6 Dr. A.K. Das, SPD, West Bengal, emphasised the involvement of CRC Co-ordinators in the data collection process for improving the quality of the data. CRC Co-ordinators support for data collection and scrutiny of DCFs at CRC level will improve the reliability of data.
- 5.6.7 Mr. Gogate Dileep Rajaram, Joint Director of Education and Mr. Mahajan, MIS Incharge Parbhani, presented the status of MIS implementation for Maharashtra. Mr. Gogate in particular, emphasised the problem of incomplete coverage during data collection, and insisted on maintaining master list of schools for each block and districts. Need for a state level system to consolidate data for all the districts were raised. The problems of data desegregation for composite schools i.e. 5-12 standard schools were raised. The State feels that the Annual Work plans for a particular year should be approved latest by April, so that there would be ample time available for implementation of the work plans. Copy of the presentation is annexed.
- 5.6.8 Mr. Venkatesh, System Analyst, Tamil Nadu presented for his state with a warm welcome to all. He explained some of the short comings in DISE software and PMIS software and request to make them complete bugg free. He emphasised on the need of technical upgradation of MIS staffs at state and district level through regular training programmes. Copy of his presentation is annexed.
- 5.6.9 Ms. Bhavani, System Analyst, Andhra Pradesh, presented a detailed status of MIS implementation in the state. She described the strategies they are adopting for complete computerization of the Education System in the state. She feels that state should be approached for appointing technically qualified people on contract as Programmers. Copy of her presentation is annexed.
- 5.6.10 Mr Pinaki Mohanty, System Analyst, Orissa, gave a brief account of the MIS implementation and progress they have made in a short duration. He put his concern on non co-operation of the BEOs in the data collection work and requested that a letter to Education Secretary from DPEP Bureau should be sent on this. He explained in detail the need of setting up of an Intranet for DPEP and going on line. Copy of his presentation is annexed.

5.6.11 Mr. Satish Kaushal, State MIS Incharge, Himachal Pradesh gave a short account of the MIS implementation status in the state and various procurement related problems they have faced for procurement of computer systems. He informed that staffing for MIS at the state and districts are not complete, SPD should be approached on this. Copy of his presentation is annexed.

5.6.12 Mr. K.P. Sing, Computer Incharge, Bihar Education Project, Bihar gave a brief introduction of Bihar Education Project and the implementation status of EMIS 1996-97. He discussed in detailed the problems they have faced in implementing DISE and some shortcomings in the standard reports generated through DISE 2.01. He emphasised the need for assessing the efficacy of the software through an external agency before being implemented. Copy of his presentation is annexed.

5.6.13 Mr. Alok Dayalu, System Analyst, Uttar Pradesh, made a presentation on the existing MIS of Uttar Pradesh Basic Education Project and highlighted the need for getting timely and reliable information for implementation of any project.

5.6.14 Dr. A.K. Das, SPD, West Bengal, informed that the process of setting up of MIS is already initiated. Data for 1996-97 was collected and Data Entry work for 1996-97 has been entrusted to a govt. agency, WEBEL. He assured that, he would speed up the process for procurement of computer systems and for the appointment of staffs.

5.7.1 After listening from the states, Mr. Ravi Capoor summed up the issues and problems faced during implementation. As most of the participants were raising the issue of frequent changes in the software and platform. Mr. Ravi Capoor assured that for the time being, at least for a year or two the Power Builder platform of DISE 2.01 software shall be freezed. To overcome the problems and improve the reliability of data, he suggested that a more rigorous attempt is needed for 1997-98. He advised that during September-October and November MIS district staffs should visit the blocks for ensuring completeness of data and proper scrutiny. The role of the state MIS should be to monitor and provide timely help and sorting out implementation issues.

5.7.2 Mr. D.K. Kar explained in detail the steps to be followed in different stages for implementation of EMIS 1997-98. The essential steps are summed up as follows:

Stage I

District level training programme for 1997-98 EMIS implementation. Participation of Block Education Officers, district programmers and state level MIS in-charge.

Steps Involved

- Please discuss every item of the Data Capture Formats, in detail.
- Please discuss the issues or problems faced if any during data collection during previous years.
- Prepare in advance **DISE generated master list of schools with school codes for each block** based on DISE data for 1996-97 and hand over the copy to the BEOs along with the DCFs for 1997-98.

Most Important

- **“School Codes of 1996-97 are to be maintained for all future references” No changes be permitted.**
- All filled-in DCFs are to be scrutinised at Block level by BEO, before sending to the district head quarter. Support from CRS Co-ordinators.
- Please ensure **“No Incomplete DCF is received from the schools”, “extensive field visits be needed”.**
- Please ensure **“No School is left out in the coverage, for data collection in 1997-98”.**
- Prepare a **master list of schools at the block level for 1997-98 with school codes** (indicating new schools if any) categorised on different management. i.e. a) Govt.; (b) Local body; (c) Tribal Welfare Dept; (d) Pvt. Aided; and (e) Pvt. Unaided (missing schools can easily be identified).
- The scrutinised DFCs along with a signed copy of the Master list of schools by BEO to be sent to the district office for data entry.
- **District MIS staffs should visit blocks for ensuring complete coverage and scrutiny of data capture formats for data re-conciliation.**

Stage II

Pre-data entry exercise at district level

Steps Involved

- After receiving the DCFs of a particular block, please check whether complete DCFs for all the schools (As per the master list of 1996-97 for Govt., Local Body, Tribal Dept., Pvt. Aided & Pvt. Unaided) are received.
- One register is to be maintained on block specific information on number of DCFs issued and received and block-wise master list of schools based on different Management.
- If DCFs for some of the schools are not received or incomplete, report the matter to the concerned BEO immediately and bring this matter to the notice of the DEO for necessary action.

- Assign codes to the new schools if any, through initialisation process as prescribed in the DISE 2.01 software. (**Important: To be done by the Programmer at the District level, never be left to the Data Entry Operators**).
- **Maintain a separate master list of new schools for each block for 1997-98.**

Stage III

Data entry process at the district level and preparation of interim reports.

Steps Involved

- **Take up data entry of the schools block-wise, unless the data entry for one block is completed other blocks should not be taken up.**
- After data entry for one block is complete, run the consistency checks and refer to the DCFs for corrections and refer the problem back to the schools if needed for the entire block in one go. not in a piece meal.
- Run the data compilation and generate block level reports for the block.
- Start up the data entry work for the next block and follow all the above mentioned steps.

Stage IV

Data entry process and block-wise data validation and preparation of trend analysis reports for each blocks.

Steps Involved

- While data entry for other block is continuing, the Programmer's job is to supervise the data entry job and side by side prepare the trend analysis reports for each block on the following parameters.

A) Schools

- ✎ Number of schools for 3 years i.e. 1995-96, 1996-97 and 1997-98.
- ✎ No. of schools on different management (i.e. Govt., Local Body, Tribal Dept., Pvt. Aided and Pvt. unaided) for last 3 years.
- ✎ **If any discrepancy is observed or missing schools is observed please refer back to the master list and ensure data entry for those schools for 1997-98 and follow all the prescribed steps of Stage III.**

B) Enrolment Trends

- ✎ Total Enrolments (Total, Boys & Girls).
- ✎ SCs Enrolment (Total Boys & Girls).
- ✎ STs Enrolment (Total, Boys & Girls).

C) Enrolment at Class I trends

- ✦ Over All (Boys, Girls and Total)
- ✦ SCs (Boys, Girls and Total)
- ✦ STs (Boys, Girls and Total)

D) Trend Analysis for different classes

- ✦ Movement of the enrolment for boys, girls, SCs, STs in different classes i.e. from Classes II to IV/V.

E) Teachers

- ✦ Total number of teachers (Male, Female).
- ✦ **Compare number of teachers with that of number of teachers received teachers grant for that year (Source PMIS).**
- ✦ Please ensure the number of additional teachers appointed from DPEP in the block for the year is reflected in the data.
- ✦ **Compare number of teachers with that of number of teachers as available with the DEO for cross validation.**

F) School Buildings

- ✦ Trends in type of school buildings (Pucca, Partially Pucca, Kuccha, Tent and No Building) under different management.
- ✦ **Please verify whether the number of schools buildings built during the year from DPEP and other sources whether got reflected in the present years data or not.**

G) Classrooms

- ✦ Total number of classrooms in the schools under different management.
- ✦ Number of additional classrooms built from DPEP in that year, whether is reflected in the present year data or not.
- ✦ Please cross verify, whether the number of classrooms that needs major repairs for last year with that of number of classrooms repaired if any from DPEP.

- **Share the copy of the block level reports and trend analysis with BEO and ensure copy of the school level summary sheets for all the schools reaches the VEC and BRC for use in their training programmes.**

Stage V

Once the stage III and IV for all the blocks is completed, district level reports be generated and trend analysis for the district as a whole be attempted.

Steps Involved

- All the above parameters as explained in stage III for blocks be covered for district level analysis also.
- **Validated data with block level and district level trend analysis reports be handed over to state level MIS unit.**
- A hard copy of the final reports be shared with their DEO and final data may be shared with DIETs and individual researchers for further use.
- Issues emerging from the analysis be communicated to the DPC for taking corrective actions and suitably using for preparation of the Annual Work Plan of 1998-99.

Responsibility of State level MIS unit

- 1) To provide over all technical supports for implementation and work as nodal person for co-ordination between the state and the National level MIS.
- 2) To monitor the activities at the district level for completion in the agreed time schedule.
- 3) To prepare a state level analysis of trend emerging from three years of DISE data, to assess impact on access, retention and dropouts.
- 4) To ensure increasing use of EMIS data for research, planning and administrative decision making.
- 5) To appraise the National level MIS on progress and send data and reports in time (thoroughly checked before sending) and take the entire responsibility of any data or information sent to the National Bureau.

CAVEATS

- # **Under no circumstances change in the data base of previous years (1995-96 and 1996-97) shall be entertained.**
- # The change for 1995-96 was only an exception.
- # No interim data and incomplete data for any district be sent to National Bureau.
- # Frequent changes in the data base should not be done.
- # **Only complete and validated data along with districtwise trend analysis reports be submitted to the National Bureau in time.**

During discussion Mr. Capoor explained the steps with examples and requested the states to follow these minimum steps for getting consistent and reliable data for 1997-98. **He asked the district MIS staffs to be in the fields during data collection.**

- 5.7.3 It was made clear to all state MIS-Incharges, **“that no further changes in the previous years database shall be entertained”**. **Changes in the database for 1995-96 was only an exception.**
- 5.8 The issue of on-line data transmission and getting NICNET connection at the state and district offices was discussed. The status of NICNET/Internet connections in the states were reviewed. It was informed that Haryana, Kanataka, Kerala and Andhra Pradesh has already got NIC mail connections at the state offices. Mr. Capoor requested the states to expedite the process and get the connections for the state and district offices at the earliest possible. The PMIS data for the quarter ending 30th September should be sent through NICNET on-line only.
- 5.9.1 Ms. Suvarna, Consultant, Ed.CIL's TSG described the need of assessing the information requirements at different levels for proper monitoring and implementation of the project. She circulated a set of formats designed for monitoring different activities at State, District, Block and Cluster level. She emphasised on the need assessment study for improving upon the existing PMIS software.
- 5.9.2 Mr. Capoor expressed that the existing PMIS is not meeting the objective of a proper Project Management System rather it has become a Financial Management Information System. He requested the state people to help in assessing the requirements and developing a dynamic Project Management Information System.

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- 6.1 In the beginning of the next days workshop the various existing monitoring mechanisms used in different states, apart from PMIS and EMIS were reviewed. Mr. D.K. Mishra mentioned that they are monitoring training programmes, utilisation teacher grants and schools infrastructure grants in the regular monthly meetings at CRCs, BRCs, DPO and SPO. Mr. Sarmah also informed that they had devised certain parameters to monitor the qualitative aspects of the training programmes in Assam, but could not be properly implemented. Mr. Capoor requested the states to share the other tools of monitoring with DPEP Bureau/TSG for improving up on the existing PMIS.
- 6.2 For the benefit of the participants and to discuss the emerging issues with the State Project Directors a case study "A Comparative study of the trends emerging from two years of MIS data ; An insight into Haryana", was presented. Mr. Capoor discussed in length on the different issues related to rational pupil teacher ratio, teacher rationalisation, trends in the enrolments and physical facilities in the schools. Copy of the presentation is annexed. During discussion Mr. Pankaj Rag, SPD, Madhya Pradesh raised the issue of 24% ceiling on Civil Works. In response to this Mr. Capoor emphasised the need for attempting convergence for civil constructions with other departments and schemes.
- 6.3 Prof. Y.P. Aggarwal reviewed the various issues raised by the participants with regards to DISE 2.01 software implementation. Prof. Aggarwal in his introductory remarks traced the origin, design and implementation strategies for DISE. He further elaborated that, different agencies have different roles to play during implementation. The DISE is designed as a district level system and has the greatest utility for district level planning and management of DPEP. The role of the State/National agencies is to monitor the trends emerging from DISE and use them for policies and programme interventions. It is unfortunate that, after three years of consistent efforts, MIS is yet to become a reality for some districts. Experience shows that manpower shortages, delays in procurement in computer hardware and other administrative problems have considerably affected the implementation of DISE in many districts. The implementation of DISE has not received due attention of the SPDs', DPCs', System Analysts' and other professional staff due to variety of

reasons. In order to achieve the stated objectives of DISE, the following issues requires considerable attention :

- DISE software should be district based. The role of state EMIS Cells is to operationalise district units, rather than taking up themselves to complete the computerisation.
- The National level Bureau should be provided with final analysis and reports emerging from the analysis and these should be attempted by each district.
- MIS staff should devote more time for DISE/PMIS activities rather than to get themselves engaged in other activities.

He responded to all queries raised by the participants on DISE 2.01 software implementation. The queries and the responses are summed up as follows :

Queries and Responses

Q. Shifting from one platform to other in DISE software, has created a lot of confusion and problems in implementation?

Res. The DISE 1.2 software was simple and on Foxpro platform, but it was deliberately subverted. It was by-passed during data entry, DBFs were tempered at all levels, no consistency was observed in the data for the year 1995-96. To have a security and check on this it was shifted to Power Builder platform.

Q. Mr. Deepak, MIS Incharge informed that data compilation for Raigarh and report generation for Bilaspur was not possible using DISE 2.01..

Res. In response to this Prof. Aggarwal raised the question, if the software is working perfectly for all other districts except one or two, where the problem lies? Whether it is a software problem? Or a system specific problem? He explained that these types of problems are coming up due to lack of proper co-ordination at the state level (*some of the problems may be system specific i.e. due to hardware problem*). For example data received for Dhar district of 1996-97 is completely initialised and entered in year 1997-98. The state level MIS staffs are not aware of this. He requested the states to build up the capacities at the state level as potential resource centres for supporting implementations at the districts. State should keep a tab on what is happening in the districts during implementation.

Q. School level data comparison is not possible between 1995-96 and 1996-97?

Res. There was an inbuilt facility to transfer the 1995-96 DBF's and school codes for 1996-97 in DISE 2.01 but most of schools were re-initialised. Due to re-initialisation data comparability was lost. It was the responsibilities of the states MIS incharges to see that schools are not re-initialised. This type of mistake should not happen again.

Q. Data back-up and restore facilities are not reliable?

Res. Pkzip for windows is utilised in these modules, which is an international product and extensively utilised in the IT industry. A little bit of pre-caution is needed while utilising the module.

Q. Mr. Simanta from Assam, raised a query that after opening DB through Power Builder. Some of the tables are showing negative values for teachers?

Res. Without understanding the data base structure and related logics this type of issues should not be raised. No tempering with the DBs should be attempted. While implementing DISE 2.01 opening of DBs through Power builder is not a healthy indication at all. **Prof. Aggarwal cautioned the states not to fiddle in the databases, such attempts may cause extensive and irrecoverable damages to the data bases.**

Q. Password removal facility not available in DISE software?

Res. It is taken care and shall be available before 1997-98 data entry.

Q. Mr.K. P. Singh from Bihar raised the issue, that Cluster level reports has inconsistent data with respect to number of schools and sections ?

Res. This type of problem is not encountered in any district reports, the validity of the data needs to be re-examined.

Q. Mr. Singh also raised that, Data compilation at Cluster level is taking long time i.e. took 17 and ½ hours for Rohtas district?

Res. The data for various districts was compiled at the National/State and District level. so far no district has taken more than 3-4 hours for Cluster level compilation, the problem may be system specific.

Q. Data export for SCs and STs not working?

Res. The problem is already resolved.

Q. School level summary report is reporting inconsistent data?

Res. The point is noted, and the problem shall be looked into.

Q. Enrolment summary report needs an extra column for grand total?

Res. The suggestion is taken and shall be considered.

Q. State levels system?

Res. For development of state level system and national level system for generating district and state level reports, a national level resource group shall be formed. Development shall be a collaborative effort between the states, NIEPA and TSG. This will be a way forward on sharing collective responsibility and transfer of ownership. Regular review meetings of the core group, to sort out the implementation issues and problems shall be held.

6.4 Mr. Ravi Kapoor then requested SPDs to extend full support to MIS staffs for implementation of EMIS 1997-98 in time. Then the tentative time schedule for implementation of 1997-98 was discussed in length. **The state all agreed to the time schedule proposed for 1997-98 and to complete the implementation by 31st December of 1997.** Copy of the proposed and agreed time schedule for all the states except Kerala and Gujarat are annexed.

6.5 For the benefit of the participants a demonstration of data transfer using NICNET facility was arranged in the Electronics division of TTTI. Mr. Gopinath Scientific Officer, NIC, Chennai demonstrated the data transfer from TTTI system to NIC Chennai and down loaded some data from the NIC centre at Shastri Bhawan, New Delhi. All the queries regarding this was addressed.

6.6 Mr. Ravi Kapoor took a review of the status of MIS implementation for DPEP-II expansion districts for all the states. Statewise status on staffing and procurement of computer systems are as follows.

ASSAM

- ◆ Interviews for staff appointment shall be held on 16th of September, 1997.
- ◆ Tender is floated for procurement of computer systems.

HARYANA

- ◆ Tender process for computer procurement and staff appointment process yet to be initiated.

KARNATAKA

- ◆ Identification of MIS staff is complete.
- ◆ Quotations for computer systems is already floated.

MAHARASHTRA

- ◆ Tendering process is initiated.
- ◆ Staff appointment process yet to be taken up.

MADHYA PRADESH

- ◆ Procurement process for district level computer systems initiated, tender is already floated.
- ◆ Advertisement for MIS staff appointment released.

TAMIL NADU

- ◆ Procurement process for computers yet to be initiated.
- ◆ Staff appointment process also yet not initiated.

ANDHRA PRADESH

- ◆ System Analysts and Programmers are appointed at SPO.
- ◆ Data Entry Operators are appointed at the districts.
- ◆ Computer procurement process is under progress.

HIMACHAL PRADESH

- ◆ MIS staffs are appointed at SPO and DPO.
- ◆ Computer systems shall be installed in the state and the districts by the end of this month.

GUJARAT

- ◆ Status is not known, as no body participated from the state.

ORISSA

- ◆ MIS staffs are appointed at State and District Offices.
- ◆ Procurement of computer systems is in process.
- ◆ Computer systems are hired for data entry work of 1996-97 and data entry work is already going on at State Project Office.
- ◆ Additional data entry operator needs to be appointed in the districts.

WEST BENGAL

- ◆ Computer system procurement and staff appointment process yet to be initiated.

UTTAR PRADESH

- ◆ Status could not be reported by the System Analyst.

BIHAR

- ◆ Tenders are already floated for computer system procurement.
- ◆ Interview is completed in July for programmers in the districts.

6.7 Mr. Ravi Capoor requested the SPDs to complete the MIS staff appointment process and computer procurement process at the earliest for smooth implementation of EMIS 1997-98. **He requested the SPDs to identify and appoint an external agency for 10% sample scrutiny of filled in data for 1997-98.** He also informed that at the national level an agency is to be commissioned for 2% sample scrutiny of the DCFs. SPDs were requested not to disturb the MIS staff for any other works, rather it should be taken up as a challenge for completing the entire implementation process in three months, time keeping a tab on quality and reliability of data. He also requested the SPDs to tackle the problems of high turnover of trained MIS staffs, the matter should be referred to EC for giving competitive salary to MIS staffs as per IT industry standard to retain them. He extended his sincere thanks to all the SPDs present and participants for their valuable inputs.

6.8 Vote of thanks was proposed by Mr. Paramsivam, SPD Tamil Nadu. He extended his sincere thanks to all the participants, Resource Persons and SPDs for their kind presence and making the workshop a success.

7.0 Summary of Feed-backs on the workshop.

- * Most of the participants feel that the workshop met its major objectives fully.
- * Implementation process for EMIS needs to be strengthened.
- * Regular visits from National level (DPEP Bureau/TSG/NIEPA) to monitor the implementation process and build up the state level capacities on MIS is needed.
- * List of problems and issues raised by the States be documented and circulated to the States.
- * Regular review meetings of the state MIS incharges at National level is needed to sort out the implementation problems.
- * To upgrade the technical skill of the state and district MIS staffs, trainings on Power Builder and other application software be provided by the DPEP Bureau/TSG.

RESOURCE PERSONS

1. Mr. Ravi Capoor

Deputy Secretary (DPEP), MHRD, New Delhi

2. Prof. Y.P. Aggarwal

Senior Fellow, NIEPA, New Delhi

3. Mr. D.K. Kar

Consultant MIS, New Delhi

4. Ms. Suvarna N.A.

Consultant MIS , New Delhi

5. Mr. Gopinath,

Scientific Officer, NIC, Chennai

6. Dr. M.N. Rao

Principal Technical Teacher's Training Institute, Chennai

7. Mr. Talukdar

Consultant MIS, New Delhi

8. Mr. Naveen Bhatia

Training Officer, NIEPA, New Delhi

**List of Participants
DPEP - I STATES**

Name & Address	FAX	Telephone	
		Office	Residence
ASSAM			
Simanta Kumar Sarma Assistant Programmer District Dhubri Assam		03662-21029	
Md. Ibrahim Nafis Islam Assistant Programmer District Darrang Assam	03713-22452	03713-23527	03713-22250
Mr. V.P. Sarmah State Programmer (MIS) Assam	0361-566452	0361-561985 0361-569049	
HARYANA			
Mr. D.K. Mishra System Analyst Chandigarh, Haryana	0172-704782	0172-708581	
Mr. Shashi Kumar Nimbai Programmer District Hissar Haryana		01662-25514	01662-26723
Mr. Amit Agarwal Programmer District Jind Haryana		01681-22805	01732-52490
KARNATAKA			
Mr. Ajay B. Uchagaonkar Programmer District Belgaum Karnataka	0831-435232	0831-435232	0831-440065
Shrinivas V. Murgod Programmer District Raichur Karnataka		08352-42124	08352-21878
Mr. G. Subramanaya Programmer District Kolar Karnataka	25241	22020 25241	
Mr. N. Prabhakar Programmer Bangalore, Karnataka		2250433	

Name & Address	FAX	Telephone	
		Office	Residence
KERALA			
Mr. Ajit Kr. K.V. System Analyst Trivandrum Kerala	0471-320703	0471-320826	0471-340712 0471-342222
MAHARASHTRA			
Mr. Mohan Awate State Project Director Mumbai Maharashtra	3636315	3636314 3679267	4962254
Mr. Srikant P. Kulkarni Dy. Project Officer District Aurangabad Maharashtra	0240-332025	0240-332025	
Mr. Gogate Dileep Rajaram Joint Director of Education Pune Maharashtra	0212-632145	0212-625874	0212-512239
Mr. Mahajan G.M. MIS Incharge District Parbhani Maharashtra	02452-23745	02452-23745	48191
MADHYA PRADESH			
Mr. Pankaj Rag State Project Director Madhya Pradesh	583618	583539	562574
Mr. Deepak Verma Programmer-cum-Training Officer Madhya Pradesh		583539	
TAMIL NADU			
Mr. K. Mogane Varadaradjane Jr. Programmer Cuddacore Tamil Nadu		04142-22912	
Mr. S. Mohan Programmer District Dharmapuri Tamil Nadu		04342-61872	04183-26229
Mr. S. Venkateshan System Analyst DPEP Tamil Nadu Tamil Nadu		8278068	6251973

Name & Address	FAX	Telephone	
		Office	Residence
Mr. S. Selvakumar Programmer District Villupuram Tamil Nadu		04146-22062	
Mr. M. Samson Programmer District Thiruvannamalai Tamil Nadu	04125-23845	04125-23845	
Mr. V. Chandrasekaran Assistant Director SPO Tamil Nadu Tamil Nadu		8278068	
Mr. P.S. Raman Consultant (PMIS) Tamil Nadu		8278068	6896961
Mr. C. Jeyapaul Media Officer DPEP Tamil Nadu Tamil Nadu		8278068	
Mr. S. Anand Programmer DPEP Tamil Nadu Tamil Nadu		8278068	
Mr. R. Zacharias Adminstrative Officer DPEP Tamil Nadu Tamil Nadu		8278068	4815284

List of Participants
DPEP - II STATES

Name & Address	FAX	Telephone	
		Office	Residence
ANDHRA PRADESH			
Ms. T.V.R. Bhavani System Analyst DPEP Andhra Pradesh Andhra Pradesh	599089	599089	
Mr. S. Boya Dass MIS Incharge District Nellore Andhra Pradesh		320096	
Mr. V. Venkata Rao MIS Incharge District Vizianagarm Andhra Pradesh		08922-27214	
Mr. Shyam Sunder Reddy Karra MIS Incharge District Warangal Andhra Pradesh		74832	78149
BIHAR			
Capt. R.P. Sinha Programme Officer Bihar Education Project Patna Bihar	0612-281005	280699	230069
Mr. K.P. Singh Component Incharge Bihar Education Project Patna Bihar	0612-281005	280699	264718
UTTAR PRADESH			
Mr. Alok Dayalu Systems Analyst Lucknow Uttar Pradesh	0522-368481	0522-386477	0522-224474
Mr. Rakesh Kumar Kunwar Senior Professional Lunknow Uttar Pradesh		386477	

Name & Address	FAX	Telephone	
		Office	Residence
HIMACHAL PRADESH			
Mr. Satish Kaushal State MIS Incharge Shimla Himachal Pradesh	212464	212464,252581	223263
Mr. Asbish Kumar MIS Incharge Kullu Himachal Pradesh		01902-23478	0192-65276
ORISSA			
Mr. Pinaki Mohanty System Analyst Bhubaneswar Orissa	402721	402721	413642
Mr. Chandrajit Parija Data Entry Operator Bhubaneswar Orissa	0671-402721	0671-402721	
Mr. Sudarsan Sahoo Data Entry Operator Bhubaneswar Orissa	402721	0674-402721	06758-32247
NEW DELHI			
Mr. Rakesh Malik Support Staff New Delhi	4647716	4649162	7245875
Mr. Anurag Mittal Support Staff New Delhi	4647716	4649162	
Mr. Ramkumar Support Staff New Delhi			

**Proposed & Agreed Time Schedule
for Implementation of DISE for
1997-98**

Proposed Time Schedule for Implementation of DISE (DPEP-I/II/III States)

Academic Session

1997-98

Date of reference

September 30, 1997

The following tentative time schedule is proposed for implementation of EMIS.

1	Identification of nodal person for co-ordinating the activities of EMIS at the State Level (DPEP II & III)	August 1997
2	Completion of translation of Data Capture Formats, if needed (DPEP II & III)	
3	National Level Sharing Workshop on implementation of MIS; Learning From Experience.	12-13 th September, 1997
4	State Level training programme	
5	Training and distribution of forms to the districts/block level by the state level EMIS unit.	
6	Record date for data in school education	September 30, 1997
7	Data Collection	
8	Collection of data and validation at block/district level	
9	Data entry using DISE 2.01 software.	
10	Preparation of draft reports & block level data comparison for trend and consistency	
11	Sharing of provisional data with National Bureau	November, 1997
12	Consistency checking and validation/modification of data using DISE software.	
13	Preparation of school summary reports, final districts and block level reports-Data finalisation, sharing on trend analysis reports.	31 st December, 1997
14	National Level sharing workshop on trend of enrolment, Retention & Drop-out . Emerging from 3 years EMIS data.	Jan. 1998

State _____

Signature _____

Proposed Time Schedule for Implementation of DISE (DPEP-I/II/III States)

Academic Session

1997-98

Date of reference

September 30, 1997

The following tentative time schedule is proposed for implementation of EMIS.

1	Identification of nodal person for co-ordinating the activities of EMIS at the State Level (DPEP II & III)	August 1997
2	Completion of translation of Data Capture Formats, if needed (DPEP II & III)	Process Completed
3	National Level Sharing Workshop on implementation of MIS; Learning From Experience.	12-13 th September, 1997
4	State Level training programme	15 th Sept, 97
5	Training and distribution of forms to the districts/block level by the state level EMIS unit.	21-26 th Sept, 97
6	Record date for data in school education	September 30, 1997
7	Data Collection	15 th Oct, 97
8	Collection of data and validation at block/district level	30 th Oct, 97
9	Data entry using DISE 2.01 software.	15 th Nov, 97
10	Preparation of draft reports & block level data comparison for trend and consistency	16-20 Nov, 97
11	Sharing of provisional data with National Bureau	November, 1997
12	Consistency checking and validation/modification of data using DISE software.	20-30 Nov, 97
13	Preparation of school summary reports, final districts and block level reports-Data finalisation, sharing on trend analysis reports.	31 st December, 1997
14	National Level sharing workshop on trend of enrolment, Retention & Drop-out. Emerging from 3 years EMIS data.	Jan 1998

State Haryana

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Proposed Time Schedule for Implementation of DISE (DPEP-I/II/III States)

Academic Session

1997-98

Date of reference

September 30, 1997

The following tentative time schedule is proposed for implementation of EMIS.

1	Identification of nodal person for co-ordinating the activities of EMIS at the State Level (DPEP II & III)	August 1997
2	Completion of translation of Data Capture Formats, if needed (DPEP II & III)	
3	National Level Sharing Workshop on implementation of MIS; Learning From Experience.	12-13 th September, 1997
4	State Level training programme	
5	Training and distribution of forms to the districts/block level by the state level EMIS unit.	
6	Record date for data in school education	September 30, 1997
7	Data Collection	
8	Collection of data and validation at block/district level	
9	Data entry using DISE 2.01 software.	
10	Preparation of draft reports & block level data comparison for trend and consistency	
11	Sharing of provisional data with National Bureau	November, 1997
12	Consistency checking and validation/modification of data using DISE software.	
13	Preparation of school summary reports, final districts and block level reports-Data finalisation, sharing on trend analysis reports.	31 st December, 1997
14	National Level sharing workshop on trend of enrolment, Retention & Drop-out . Emerging from 3 years EMIS data.	Jan 1998

Tamil nadu

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13.9.97

S. Paramasivan
SPD
Tamil Nadu.

Proposed Time Schedule for Implementation of DISE (DPEP-I/II/III States)

Academic Session

1997-98

Date of reference

September 30, 1997

The following tentative time schedule is proposed for implementation of EMIS.

1	Identification of nodal person for co-ordinating the activities of EMIS at the State Level (DPEP II & III)	August 1997
2	Completion of translation of Data Capture Formats, if needed (DPEP II & III)	30 th Sept. 1997
3	National Level Sharing Workshop on implementation of MIS; Learning From Experience.	12-13 th September, 1997
4	State Level training programme	06 th Oct - 1997
5	Training and distribution of forms to the districts/block level by the state level EMIS unit.	10 th Oct 1997
6	Record date for data in school education	September 30, 1997
7	Data Collection	15 th Oct - 30 th Oct 1997
8	Collection of data and validation at block/district level	1 - 10 th Nov. 1997
9	Data entry using DISE 2.01 software.	- 10 th Dec. 1997
10	Preparation of draft reports & block level data comparison for trend and consistency.	10 th Dec. to 30 th Dec. 1997
11	Sharing of provisional data with National Bureau	November, 1997
12	Consistency checking and validation/modification of data using DISE software.	Dec. 1997
13	Preparation of school summary reports, final districts and block level reports-Data finalisation, sharing on trend analysis reports.	31 st December 1997, 15 th January '97
14	National Level sharing workshop on trend of enrolment, Retention & Drop-out. Emerging from 3 years EMIS data.	Jan-1998

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Proposed Time Schedule for Implementation of DISE (DPEP-I/II/III States)

Academic Session

1997-98

Date of reference

September 30, 1997

The following tentative time schedule is proposed for implementation of EMIS.

1	Identification of nodal person for co-ordinating the activities of EMIS at the State Level (DPEP II & III)	August 1997
2	Completion of translation of Data Capture Formats, if needed (DPEP II & III)	
3	National Level Sharing Workshop on implementation of MIS; Learning From Experience.	12-13 th September, 1997
4	State Level training programme	September '97
5	Training and distribution of forms to the districts/block level by the state level EMIS unit.	8 th Oct - 16 th Oct '97
6	Record date for data in school education	September 30, 1997
7	Data Collection	25 th Oct - 9 th Nov '97
8	Collection of data and validation at block/district level	25 th Oct - 9 th Nov '97
9	Data entry using DISE 2.01 software.	10 th Nov - 10 th Dec '97
10	Preparation of draft reports & block level data comparison for trend and consistency	15 th Nov - 15 th Dec '97
11	Sharing of provisional data with National Bureau	November, 1997
12	Consistency checking and validation/modification of data using DISE software.	15 th Nov - 15 th Dec '97
13	Preparation of school summary reports, final districts and block level reports-Data finalisation, sharing on trend analysis reports.	31 st December, 1997
14	National Level sharing workshop on trend of enrolment, Retention & Drop-out . Emerging from 3 years EMIS data.	Jan. 1998

State

M. V. S. Rao

Signature

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Proposed Time Schedule for Implementation of DISE (DPEP-I/II/III States)

Academic Session

1997-98

Date of reference

September 30, 1997

The following tentative time schedule is proposed for implementation of EMIS.

1	Identification of nodal person for co-ordinating the activities of EMIS at the State Level (DPEP II & III)	August 1997
2	Completion of translation of Data Capture Formats, if needed (DPEP II & III)	
3	National Level Sharing Workshop on implementation of MIS; Learning From Experience.	12-13 th September, 1997
4	State Level training programme	October - November District
5	Training and distribution of forms to the districts/block level by the state level EMIS unit.	October - November
6	Record date for data in school education	September 30, 1997
7	Data Collection	OCT - NOV - 2 nd week
8	Collection of data and validation at block/district level	NOV -
9	Data entry using DISE 2.01 software.	NOV
10	Preparation of draft reports & block level data comparison for trend and consistency	December 1 st week
11	Sharing of provisional data with National Bureau.	November, 1997
12	Consistency checking and validation/modification of data using DISE software.	December
13	Preparation of school summary reports, final districts and block level reports-Data finalisation, sharing on trend analysis reports.	31 st December, 1997
14	National Level sharing workshop on trend of enrolment, Retention & Drop-out . Emerging from 3 years EMIS data.	Jan. 1998

State KARNATAKA

Signature [Signature]

Proposed Time Schedule for Implementation of DISE (DPEP-I/II/III States)

Academic Session

1997-98

Date of reference

September 30, 1997

The following tentative time schedule is proposed for implementation of EMIS.

1	Identification of nodal person for co-ordinating the activities of EMIS at the State Level (DPEP II & III)	August 1997 ✓	Completed
2	Completion of translation of Data Capture Formats, if needed (DPEP II & III)	✓	Completed
3	National Level Sharing Workshop on implementation of MIS; Learning From Experience.	12-13 th September, 1997 ✓	Completed
4	State Level training programme		15-10-97
5	Training and distribution of forms to the districts/block level by the state level EMIS unit.		16 20-10-97
6	Record date for data in school education	September 30, 1997	
7	Data Collection	By 30-10-97	20-10-97 to
8	Collection of data and validation at block/district level		05-11-97
9	Data entry using DISE 2.01 software.		05-11-97 to
10	Preparation of draft reports & block level data comparison for trend and consistency		25-11-97
11	Sharing of provisional data with National Bureau	November, 1997	
12	Consistency checking and validation/modification of data using DISE software.		5-12-97 to 20-12-97
13	Preparation of school summary reports, final districts and block level reports-Data finalisation, sharing on trend analysis reports.	31 st December, 1997	
14	National Level sharing workshop on trend of enrolment, Retention & Drop-out . Emerging from 3 years EMIS data.	Jan-1998	

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Proposed Time Schedule for Implementation of DISE (DPEP-I/II/III States)

Academic Session

1997-98

Date of reference

September 30, 1997

The following tentative time schedule is proposed for implementation of EMIS.

1	Identification of nodal person for co-ordinating the activities of EMIS at the State Level (DPEP II & III)	August 1997
2	Completion of translation of Data Capture Formats, if needed (DPEP II & III)	.
3	National Level Sharing Workshop on implementation of MIS; Learning From Experience.	12-13 th September, 1997
4	State Level training programme	15 th Oct '97
5	Training and distribution of forms to the districts/block level by the state level EMIS unit.	30 th Oct '97
6	Record date for data in school education	September 30, 1997
7	Data Collection	15 th Nov '97
8	Collection of data and validation at block/district level	22 nd Nov '97
9	Data entry using DISE 2.01 software.	15 th Dec '97
10	Preparation of draft reports & block level data comparison for trend and consistency	22 nd Dec '97
11	Sharing of provisional data with National Bureau	November, 1997 ?
12	Consistency checking and validation/modification of data using DISE software.	31 st Dec '97
13	Preparation of school summary reports, final districts and block level reports-Data finalisation, sharing on trend analysis reports.	31 st December, 1997 14 th Jan '98
14	National Level sharing workshop on trend of enrolment, Retention & Drop-out . Emerging from 3 years EMIS data.	Jan-1998

State

Bihar

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Proposed Time Schedule for Implementation of DISE (DPEP-I/II/III States)

Academic Session

1997-98

Date of reference

September 30, 1997

The following tentative time schedule is proposed for implementation of EMIS.

1	Identification of nodal person for co-ordinating the activities of EMIS at the State Level (DPEP II & III)	August 1997
2	Completion of translation of Data Capture Formats, if needed (DPEP II & III)	
3	National Level Sharing Workshop on implementation of MIS; Learning From Experience.	12-13 th September, 1997
4	State Level training programme	3 rd week of Sep '97
5	Training and distribution of forms to the districts/block level by the state level EMIS unit.	1 st week of September '97
6	Record date for data in school education	September 30, 1997
7	Data Collection	Sep '97
8	Collection of data and validation at block/district level	Oct '97
9	Data entry using DISE 2.01 software.	Nov '97
10	Preparation of draft reports & block level data comparison for trend and consistency	Dec '97
11	Sharing of provisional data with National Bureau	November, 1997
12	Consistency checking and validation/modification of data using DISE software.	Dec '97
13	Preparation of school summary reports, final districts and block level reports-Data finalisation, sharing on trend analysis reports.	31 st December, 1997
14	National Level sharing workshop on trend of enrolment, Retention & Drop-out . Emerging from 3 years EMIS data.	Jan 1998

State

A.P.

Signature

R. Leveni

Proposed Time Schedule for Implementation of DISE (DPEP-I/II/III States)

Academic Session

1997-98

Date of reference

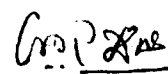
September 30, 1997

The following tentative time schedule is proposed for implementation of EMIS.

1	Identification of nodal person for co-ordinating the activities of EMIS at the State Level (DPEP II & III)	August 1997
2	Completion of translation of Data Capture Formats, if needed (DPEP II & III)	September, 1997
3	National Level Sharing Workshop on implementation of MIS; Learning From Experience.	12-13 th September, 1997
4	State Level training programme	October, 1997
5	Training and distribution of forms to the districts/block level by the state level EMIS unit.	October November, 1997
6	Record date for data in school education	September 30, 1997
7	Data Collection	November, 1997
8	Collection of data and validation at block/district level	November, 1997
9	Data entry using DISE 2.01 software.	December, 1997
10	Preparation of draft reports & block level data comparison for trend and consistency	December, 1997
11	Sharing of provisional data with National Bureau	November, 1997 December
12	Consistency checking and validation/modification of data using DISE software.	December, 1997 January, 1998
13	Preparation of school summary reports, final district and block level reports-Data finalisation, sharing on trend analysis reports.	31 st December, 1997 15 January, 1998
14	National Level sharing workshop on trend of enrolment. Retention & Drop-out. Emerging from 3 years EMIS data.	31, Jan - 1998

State West Bengal

Signature



ORISSA

Proposed Time Schedule for Implementation of DISE (DPEP-I/II/III States)

Academic Session

1997-98

Date of reference

September 30, 1997

The following tentative time schedule is proposed for implementation of EMIS.

1	Identification of nodal person for co-ordinating the activities of EMIS at the State Level (DPEP II & III)	August 1997
2	Completion of translation of Data Capture Formats, if needed (DPEP II & III)	
3	National Level Sharing Workshop on implementation of MIS; Learning From Experience.	12-13 th September, 1997
4	State Level training programme	Last week of Sept '97
5	Training and distribution of forms to the districts/block level by the state level EMIS unit.	End week Sept 1 st week of Oct '97
6	Record date for data in school education	September 30, 1997
7	Data Collection	15 th Oct, 97
8	Collection of data and validation at block/district level	30 th Oct '97 (15 days)
9	Data entry using DISE 2.01 software.	1 st Nov
10	Preparation of draft reports & block level data comparison for trend and consistency	1 st Dec
11	Sharing of provisional data with National Bureau	November, 1997
12	Consistency checking and validation/modification of data using DISE software.	15 th Dec
13	Preparation of school summary reports, final districts and block level reports-Data finalisation, sharing on trend analysis reports.	31 st December, 1997
14	National Level sharing workshop on trend of enrolment, Retention & Drop-out . Emerging from 3 years EMIS data.	Jan-1998

State ORISSA

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Proposed Time Schedule for Implementation of DISE (DPEP-I/II/III States)

Academic Session

1997-98

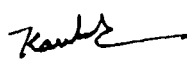
Date of reference

September 30, 1997

The following tentative time schedule is proposed for implementation of EMIS.

1	Identification of nodal person for co-ordinating the activities of EMIS at the State Level (DPEP II & III)	August 1997
2	Completion of translation of Data Capture, Formats, if needed (DPEP II & III)	
3	National Level Sharing Workshop on implementation of MIS; Learning From Experience.	12-13 th September, 1997
4	State Level training programme	1 st week of October, 97.
5	Training and distribution of forms to the districts/block level by the state level EMIS unit.	2 nd week of October, 97.
6	Record date for data in school education	September 30, 1997
7	Data Collection	1 st week of Nov, 97.
8	Collection of data and validation at block/district level	3 rd week of Nov, 97.
9	Data entry using DISE 2.01 software.	December, 97.
10	Preparation of draft reports & block level data comparison for trend and consistency	1 st week of Jan, 97.
11	Sharing of provisional data with National Bureau	November, 1997
12	Consistency checking and validation/modification of data using DISE software.	3 rd week of Jan, 97.
13	Preparation of school summary reports, final districts and block level reports-Data finalisation, sharing on trend analysis reports.	31 st December, 1997
14	National Level sharing workshop on trend of enrolment, Retention & Drop-out . Emerging from 3 years EMIS data.	Jan - 1998

State HIMACHAL PRADESH

Signature 

**NATIONAL LEVEL SHARING WORKSHOP ON
IMPLEMENTATION OF MIS; Learning From Experience**
(12th - 13th September 1997, CHENNAI)

Workshop - Time Schedule

12th September, 1997

9.30 hrs.	:	Registration
10.30 hrs.	:	Inauguration of the Workshop <i>Dr. M.N. Rao</i> <i>Principal TTTI, Chennai</i>
10.45 hrs.	:	Welcome Address <i>Mr. Ravi Capoor</i>
11.00 hrs.	:	National Level Issues <i>Mr. D.K. Kar</i>
12.05 hrs. Pre Lunch Session: Presentation of the States	:	Haryana, Tamil Nadu Madhya Pradesh, Karnataka Kerala
13.30 to 14.30 hrs.		Lunch Break
14.30 hrs. Post Lunch Session: Presentation of the States	:	Assam, Maharashtra, Orissa, Himachal Pradesh, Gujarat, Andhra Pradesh West Bengal, Bihar & Uttar Pradesh
16.30 hrs.	:	Detailed Discussion on EMIS Implementation <i>Mr. Ravi Capoor & D.K. Kar</i>
17.30 hrs.	:	Issues related to DISE <i>Mr. D.K. Kar/NIEPA Team</i>
18.00 hrs.	:	Technical Issues related to On-line Data Transmission through NICNET and Improvement of PMIS. <i>Mr. Ravi Capoor/Mr. D.K. Kar &</i> <i>Ms. Suvarna N.A.</i>
19.30 hrs.	:	Response and sorting out of any technical issues related to DISE 2.01 (Practical Session on Computers) <i>NIEPA DISE Team</i>

13th September, 1997

9.30 hrs.	:	Presentation on "A comparative study of the trends emerging from two years of MIS data : An insight into Haryana" <i>Mr. Ravi Capoor</i>
11.30 hrs.	:	Importance of sample scrutiny of Data Capture Formats (DCF's) to improve the quality and reliability of Data <i>Prof. Y.P. Aggarwal</i>
13.30 hrs. to 14.30 hrs.	:	Lunch Break
14.30 hrs.	:	Demonstration of on-line data transmission using NICNET facilities. <i>Mr. Gopinath, Scientific Officer NIC-Chennai</i>
15.30 hrs.	:	Discussion on Issues of EMIS Implementation <i>Prof. Y.P. Aggarwal/SPDs/ Mr. Ravi Capoor & Mr. D.K. Kar</i>
12.30 hrs.	:	Scheduling of activities for 1997-98 EMIS Implementation <i>Prof. Y.P. Aggarwal/Mr. Ravi Capoor & Mr. D.K. Kar</i>
16.30 hrs.	:	Valediction & Vote of Thanks



**Terms of Reference for Participants
National Level MIS Workshop at Chennai
(12th - 13th September, 1997)**

A. INTRODUCTION

The EMIS report for 1996-97 is being finalised presently which has been possible due to cooperation extended by all state teams. As you are aware, the reports throw up some very crucial issues which need to be addressed by the state governments. It is increasingly felt that the field staff should have a clear understanding of these issues and hence the training at NSDART, Mussorie is being imparted which is essentially aimed at this effort.

In the process of collecting information, we have now created an impressive database over the last two years. There is, however, a scope for improvement. To discuss the problems encountered during the process as well as to suggest the ways to improve this for the year 1997-98, we propose to have a two day workshop at Chennai on 12-13th September 1997. The first day shall be devoted to technical sessions. The second day would be devoted to discussion on

- ways for improvement of the data,
- the schedule for implementation for 1997-98
- involvement of the district level functionaries in the process of actual generation and plan formulation.

B. PARTICIPATION

The participants will be from states of DPEP-I and II. From each state following levels of personnel are expected to participate.

- State MIS incharge
- District MIS incharges from atleast two districts.

C. PRESENTATION BY STATE TEAMS

The state-incharge of MIS is requested to make a presentation which would include the following items:-

- Status of MIS implementation in the state (EMIS and PMIS)
- Problems encountered during implementation
- Issues on which the State requires DPEP Bureau to take suitable action
- Special features or highlights which the State has achieved in addition to the normal implementation for the purposes of cross sharing with the states; and
- Future strategies which the state proposes.

This presentation should be in the form of slides and the hard copy of the same should be shared with the States for cross sharing purposes. The ideal time for the presentation would be 10-15 minutes. Overhead projector will be available for the presentation. Video projection system is also available at the venue. Hence you are encouraged to develop your presentation on the computer using MSOFFICE. If you want to use video projection facility, please inform us in advance so as to help us to schedule your states presentation

D. VENUE

The venue for the workshop is as under:-

Ground Floor, Lecture Hall / Conference Room, CIICP
Technical Teacher's Training Institute (TTTI)
(Ministry of Human Resource Development, Government of India)
Taramani P.O., Chennai - 600 113.
Telephone: 044-2352054 / 2350959
Telefax 044-2353095
Prof. M.N. Rao, Principal

Details of how to reach the venue are given in Annexure-I.

E. STAY

The programme is a residential programme and hence arrangements for stay have been made at Technical Teacher's Training Institutes'

1. New Guest House
2. Old Hostel

Rooms will be on a twin sharing basis. Lady participants will get a separate room. No charges are required to be paid by the participants for the use of facility.

F. DURATION

The duration of the programme is from 12th to 13th September, 1997 both days inclusive. The workshop is expected to start early on each day say at 9.00 A.M. and may continue even beyond 5.00 P.M. Hence participants are advised to reach Chennai on 11th September, 1997 and make arrangements for departure on 14th September, 1997.

G. BOARDING

Boarding arrangement will be as under:-

For 11th to 13th September, 1997

1. Bed Tea/Coffee: Within the respective premises
2. Breakfast: 08.30 - 09.00 A.M.
In the canteen located in the old hostel.
3. Lunch 1.00 - 2.00 P.M.
In the dining hall of the new guest house.
4. Dinner 08.00 - 09.00 P.M.
In the canteen located in the old hostel.

5. **Tea Break** **During the workshop on 12th and 13th September**
Morning tea break 11.00 A.M.
Evening tea break 03.00 P.M.
6. On 14th September, all boarding arrangements will be at canteen of old hostel and as per above timings.

No charges will be levied for the above boarding arrangements. For additional tea / coffee / snack, please approach Institute's canteen and pay cash.

H. TELEPHONE/FAX FACILITY/PRECAUTIONS

Telephone and fax facilities are available nearby for which the participants will have to pay cash for this facility. Please contact our representatives for this facility. In view of rainy season, please bring mosquito repellent machines - pads or bottle based. Pads/bottle only will be issued at the venue. Please use filtered water for drinking.

I. TICKETING

Every participant is requested to bring his/her own return journey ticket. You may book your ticket in such a way that you reach Chennai on the 11th September, and depart on the 14th September, 97.

J. ASSISTANCE

For any assistance in respect of above arrangements, please approach our representative Mr. S. Ramkumar and Mr. Dharampal. Both these Ed.CIL personnel will be working under close guidance from Mr. K. Varadarajan and Mr. Chandrasekharan of Office of SPD-Tamil Nadu, whose address, telephone no. and fax no. are as under:-

Shri. S. Paramasivam,
State Project Director,
District Primary Education Programme,
College Road,
Chennai - 600 006, Tamil Nadu
Phone: **0444- 8278068 / 8241504 (O)**
 0444- 6264528 (R)
Fax : **0444- 8278068 / 8279021**

K. CASH ASSISTANCE

Please note that no assistance in the form of advance, etc. is possible during your stay at Chennai and hence kindly make own arrangements to meet all your cash needs.

L. ON ARRIVAL AT CHENNAI.

You are kindly requested to inform by fax our office as well as SPD's Office at Chennai regarding your arrival schedule, which may include air/train no. (You may use Annexure-II enclosed). In such cases, official transport at railway station and airport will be available to pick-you up. If you do not find official transport, please call SPD's office on the above mentioned nos. and ask for DPEP representatives. Within half an hour transport will be sent to you. In the meantime please wait near enquiry counter of Chennai central railway station or Chennai airport. Should there be any trouble in contacting us, you may reach the workshop venue directly and ask for our representative Mr. Dharampal at security office of TTTL. Please refer Annexure-I, how to reach the venue.

M. COMMUNICATION:

For any further information please contact Shri Udaya Kumar Habbu, Task Manager (DPEP) on phones: 6839474 (forenoon), 4647715 (afternoon), 6944723 (resi), 4647716 (Fax)

Presentation by
Mr. Ravi Capoor



ज़िला प्राथमिक शिक्षा कार्यक्रम
DISTRICT PRIMARY EDUCATION PROGRAMME

MIS

A Comparative study of the trends emerging from two years
of MIS data : An insight into Haryana

Enrolment Scenario : How we are moving

Overall Scenario:

Districts	Enrolment Profile :: ALL					
	1995-96			1996-97		
	Boys	Girls	Total	Boys	Girls	Total
Hisar	92129	79181	171310	100826	87418	186791
Jind	52346	45097	97443	67878	56253	104770
Kaithal	40896	32345	73241	50602	41434	86881
Sirsa	46625	39791	86416	51467	45195	90927

Note : The enrolment figures and the analysis pertains to only government schools as for 1995-96 the information for private aided schools and private un-aided schools are not available.

- Of the enrolment, approximately, 54% are Boys and 46% are Girls;
- Districtwise percentage increase of enrolment from 1995-96 to 1996-97 in the districts are;

	Over all	Girls	Boys
Hisar	9.04	9.31	8.80
Jind	7.52	8.22	6.91
Kaithal	18.62	22.03	15.93
Sirsa	5.22	6.33	4.27

How we are Traversing

- Kaithal shows a phenomenal increase in overall enrolment. Girls enrolment leads the way with 22.03% increase.
- The percentage increase of enrolment among girls is higher in all the districts.
- Gender disparity in enrolment is moving towards programme objectives, presently between 7% to 9% across the districts.

Implications & Action Points

- Although girls enrolment shows improvement, more focussed attempt to retain them and bring the out of the school girls is required.
- More concentrated efforts are required for Jind and Sirsa. Focus for current years activities should more towards these districts

Class I enrolment : Trends

Overall Scenario:

Classwise Enrollment Summary						
District	Class I		% Increase	Total		% Increase
	1995-96	1996-97		1995-96	1996-97	
Hisar	38654	46268	19.70	171310	186791	9.04
Jind	24161	26586	10.04	97443	104770	7.52
Kaithal	17845	22096	23.82	73241	86881	18.62
Sirsa	21304	22483	5.53	86416	90927	5.22

How we are Traversing

- Districtwise class I enrolment shows a substantial increase where compared to the overall increase except in sirsa
- Increase in class is 55% than the overall increase, indicating the successful efforts of DPEP in mobilisation and awareness.

Scheduled Castes Enrolment : A focus on girls

Overall Scenario

Districts	Percentage of SC Population to Total population	Percentage of SC Enrolment to Total Enrolment	
	(As per 1991 Census)	1995-96	1996-97
Hisar	23.21	28.26	33.66
Jind	19.56	24.19	27.31
Kaithal	21.44	25.69	29.19
Sirsa	26.65	31.86	36.06

- Percentage of SC girls to total across the districts ranges in between 43 to 46% as compared to Boys ranges between 54 to 57%.
- Districtwise percentage increase of enrolment from 1995-96 to 1996-97 in the districts are;

	Over ALL	SC - ALL	SC Boys	SC Girls
Hisar	9.04	29.89	31.26	28.29
Jind	7.52	21.39	19.57	23.67
Kaithal	18.62	34.80	30.12	41.47
Sirsa	5.22	19.10	19.01	19.20

How we are Traversing

- The enrolment of SC is almost two to three times more than the overall increase in enrolment;
- While increase in enrolment of boys is between 19% - 31%, the increase in girls enrolment is between 24% - 41%;
- Kaithal and Hissar lead the districts in enrolling additional girls by showing an increase of 24% and 41% respectively ; and
- A substantial jump in the absolute enrolment figures 29% over last year vis - vis the SC population between 3.12 to 5.40% in one year's time.

Implications & Action Points

- A more focussed attempt needs to be made in district Sirsa as it has got the highest SC population and the enrolment is on the lower side;
- Efforts now should be made to retain the girl child as well as boys for sustained schooling.

PTR Scenario : Trends

Overall Scenario

District	Total	No. of Schools with PTR							
		Less than 40		More than 50		More than 75		More than 100	
		95-96	96-97	95-96	96-97	95-96	96-97	95-96	96-97
Hisar	872	210	161	114	457	36	169	13	70
Jind	468	170	174	139	144	-	65	-	31
Kaithal	374	189	66	350	211	100	73	50	38
Sirsa	516	60	130	183	261	67	82	35	32

- Between 17 % to 37% schools have an ideal PTR of 1 : 40;
- Hissar and Sirsa show trend of increased number of schools with a PTR of more 50;
- There is a disturbing trend in the number of schools with PTR of 75 and 100.

How we are Traversing

- Increased enrolments are affecting PTRs adversely across all the districts except in Kaithal;
- Even in Kaithal there are a large number of schools with not-so-favourable PTR.

Implications & Action Points

- Teacher appointments are not matching with the enrolments;
- Apparently, the vacancies are not being filled up for retiring/transferred teachers;
- Immediate assessment of additional teacher requirements needs to be undertaken.

The Issue of Single Teacher Schools

Overall Scenario

		Single Teacher Schools											
District	Total No. of Schools	Total		With Enrolment more than								With Sanctioned	
		95-96	96-97	50		100		150		200		Posts more than	
	1996-97	95-96	96-97	95-96	96-97	95-96	96-97	95-96	96-97	95-96	96-97	95-96	96-97
Hisar	872	84	95	70	78	39	44	11	17	2	7	83	87
Jind	468	17	33	10	26	6	20	3	7	-	4	16	18
Kaithal	374	39	48	29	31	16	19	3	7	1	3	33	42
Sirsa	516	34	66	5	49	-	23	-	4	-	3	21	63

- 7% to 13% of total schools are single teacher schools;
- Interestingly, 87% to 95% of these schools have the post of the second teacher sanctioned except in Jind

How we are Traversing

- There is an increase in the number of single teacher schools most significantly in Sirsa and Jind;
- Since last year the number of vacant posts have increased, implying some transfers or retirements coupled with no recruitment during the year.

Implications & Action Points

- Filling up of the sanctioned posts should be the top priority for the state;
- Steps should be taken to identify schools with adverse PTR and teacher rationalisation should take place;
- Estimation for additional teacher requirements should be worked out and be placed before the state department;
- OBB - provides for the second teacher in single teacher schools. Can we get these teachers sanctioned in these schools?

The Issue of Double Teacher Schools

Overall Scenario

Double Teacher Schools												
With Enrolment more than												With Sanctioned
Districts	Total		Less than 40		100		200		300		Posts more than 2	
	95-96	96-97	95-96	96-97	95-96	96-97	95-96	96-97	95-96	96-97	95-96	96-97
Hisar	180	180	12	7	83	105	9	17	3	2	63	82
Jind	64	56	3	2	36	32	5	10	1	2	34	35
Kaithal	81	75	5	6	45	45	13	12	4	3	41	33
Sirsa	130	147	16	9	34	74	-	6	-	-	25	58

Contd....

How we are Traversing

- The number schools having sanctioned posts of more than two teacher has shows an increase;
- Schools having ideal PTR of 40 shows a decrease;
- Schools having two teacher and enrolment of more than 100 show an increase in Hissar and Sirsa;
- Almost all districts show an increase in the number of double teacher schools with enrolment more than 200.

Implications & Action Points

- Immediate filling up of the vacancies;
- Additional teacher requirements needs to be worked out.

The Issue of Teacher Rationalisation

Overall Scenario

Districts	No. of Schools having Enrolment less than 100 with 4 or more Teachers in Position	
	1995-96	1996-97
Hisar	-	3
Jind	-	1
Kaithal	5	5
Sirsa	6	1

Implications & Action Points

While Sirsa appears to have rationalised teacher postings, other districts the deployment of teachers is still being made on consideration other than a normative PTR.

School Information

Overall Scenario

Districts	Schools		Classrooms		Teachers		No. of Sanctioned Teachers
	1995-96	1996-97	1995-96	1996-97	1995-96	1996-97	1996-97
Hisar	815	872	3469	3615	3445	3496	4098
Jind	461	468	1949	2016	2364	2270	2581
Kaithal	314	374	1126	1378	1298	1511	1827
Sirsa	507	516	2021	2012	1965	1753	2148

How we are traversing

- While Hisar and Kaithal show marginal increase in the teacher appointments Jind and Sirsa show movement of teachers out from the districts.
- Large number of sanctioned posts continue to be vacant across all the districts. Ranges between 10% to 20%..
- Number of Schools opened shows improvement across all districts.

Implications & Action points

Immediate filling up of the vacancies.

Status of School Buildings : Improving access

Overall Scenario

Districts	Status of School Buildings											
	Total Schools		Pucca		Partially Pucca		Kuccha		No Building		Tent	
	1995-96	1996-97	1995-96	1996-97	1995-96	1996-97	1995-96	1996-97	1995-96	1996-97	1995-96	1996-97
Hisar	815	872	761	811	34	42	1	2	15	6	1	1
Jind	461	468	398	419	26	14	1	0	20	35	16	0
Kaithal	314	374	248	297	52	61	2	2	12	14	1	0
Sirsa	507	516	470	474	17	29	0	0	19	10	0	0

- Percentage of schools running in Pucca Buildings ranges in between 78 to 94% in the districts.

How we are Traversing

- A consistent increase of schools with pucca buildings across all the districts;
- Except Jind, there is also increase in number of schools with partially pucca buildings;
- Schools running in tents have become non-existent except (one school in Hissar);
- Two districts Hissar and Sirsa schools without buildings have come down while in Jind and Kaithal show a adverse trends.

Implications & Action Points

- More focussed attempt is to be made for providing school building to the buildingless schools and converting partially pucca to pucca buildings through convergence with JRY and other programmes.

Contd....

School Buildings	Haryana
New School Buildings Completed till date	51
New School Building in Progress	71
Total New School Buildings Planned till date	407
Number of Additional Classrooms Built	663
Total Amount spent till date (Rs. in Lakhs)	1477.54
Water Facility provided to schools	533
Toilet Facility provided to schools	1513

Information upto 31.03.1997

Physical Facilities in the Schools and the Trends

Overall Scenario

	Sirsa		Kaithal		Jind		Hisar	
	1995-96	1996-97	1995-96	1996-97	1995-96	1996-97	1995-96	1996-97
Total No. of Schools	507	516	314	374	461	468	815	872
No. of Schools without any Facility for Drinking Water	82	62	75	32	177	83	135	168
Percentage to Total	16.17	12.02	23.89	8.56	38.39	17.74	16.56	19.67
No. of Schools without Girls' Toilet	289	203	260	159	354	264	552	338
Percentage to Total	57.00	39.34	82.80	42.51	76.79	56.41	67.73	38.76
No. of Schools without Blackboards	40	29	41	24	50	37	98	79
Percentage to Total	7.89	5.62	13.06	6.42	10.85	7.91	12.02	9.06

How we are Traversing

- Schools with drinking water facility have substantially increased;
- Similarly schools with girls toilet facility have substantially increased;
- Schools without blackboards have improved except in Sirsa.

Implications & Action Points

- Still large number of schools 17% to 49% do not have girls toilet facility; A case for convergence with JRY;
- Drinking water is still required in a large number of schools; A further case for convergence with JRY, PHE;
- Blackboards still not provided to some schools;
 - ⇒ Why is the school grants not being utilised for the purpose?
 - ⇒ What are we doing under OBB?

Academic Supervision of Schools

Overall Scenario

Schools	Sirsa		Kaithal		Jind		Hisar	
	1995-96	1996-97	1995-96	1996-97	1995-96	1996-97	1995-96	1996-97
Total No. of Schools	507	516	314	374	461	468	815	872
No. of Schools where there was no Academic Supervision	97	98	46	47	102	88	0	150
Percentage to Total	19.13	18.99	14.65	12.57	22.13	18.80	0.00	17.20

How we are Traversing

- The situation of non academic supervision in schools have improved except Kaithal and Hisar.

Implications & Action Points

Still a large chunk of schools across all the districts are not supervised once in last academic year. A clear case for concern. authorities should take appropriate steps.

Repetition at Primary Stage

Overall Scenario

JIND	Class-wise Repetition Rate at Primary Stage			
	1995-96		1996-97	
	Boys	Girls	Boys	Girls
I	10.55	9.51	11.77	12.54
II	10.52	8.84	9.72	10.22
III	12.96	11.79	14.77	14.11
IV	10.76	9.45	14.35	13.86
V	8.18	6.63	15.76	12.03
Total	10.62	9.41	13.02	12.47

Contd..

SIRSA	Class-wise Repetition Rate at Primary Stage			
	1995-96		1996-97	
	Boy	Girls	Boys	Girls
I	14.57	13.62	15.59	13.97
II	14.00	12.85	12.66	11.83
III	18.62	16.95	19.73	16.67
IV	17.90	13.54	16.13	12.96
V	16.38	13.25	14.29	9.88
Total	16.18	14.09	15.68	13.30

Contd..

KAITHAL	Class-wise Repetition Rate at Primary Stage			
	1995-96		1996-97	
	Boys	Girls	Boys	Girls
I	14.32	12.15	15.73	14.36
II	13.25	12.09	12.55	11.04
III	17.35	16.81	17.66	15.19
IV	15.67	14.90	15.53	11.76
V	16.80	16.79	14.33	12.77
Total	15.38	14.31	15.15	13.11

Contd..

HISAR	Class-wise Repetition Rate at Primary Stage			
	1995-96		1996-97	
	Boys	Girls	Boys	Girls
I	10.36	9.00	8.91	8.14
II	9.83	9.13	8.64	7.72
III	15.10	14.43	13.87	12.89
IV	14.45	10.88	12.91	11.69
V	14.72	11.13	12.63	9.29
Total	12.71	10.83	11.14	9.75

How we are Traversing

- The overall decrease in repetition rates vary between 1% to 2%;
- In case of Jind, however, the repetition rates have gone up.

Implications & Action Points

A case for action research for Jind to ascertain the reasons for increased repetition.

Primary School Age Group Population and Enrolment : Net Enrolment Ratio (NER)

Districts

ALL

	Projected Population of Age Group 6-11 (As per 1991 Census)			Enrolment of the Age Group 6-11			Enrolment as % of the Population (NER)		
	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
Hisar	234376	129557	104819	177941	95115	82826	75.92	73.42	79.01
Jind	144626	75653	68973	118320	64480	53840	81.81	85.23	78.05
Kaithal	122437	69039	53398	86834	47533	39301	70.92	68.85	73.60
Sirsa	101237	53721	47516	91047	48341	42706	89.93	89.99	89.88

Note : The enrolment figures and the analysis pertains to all schools of Haryana for 1996-97, hence the enrolment figure in the subsequent pages may not tally with the previous pages.

Observations and Implications

- The NER across the districts ranges between 70% in Kaithal to 89.93% in Sirsa.
- The NER among Girls is higher as compared to Boys in Hissar and Kaithal where as it is higher among boys in Jind and Sirsa.
- There is a difference of almost 20% in the NER between Kaithal (70.9%) and Sirsa (89.93) showing a high inter district disparity.

Primary School Age Group Population and Enrolment : Net Enrolment Ratio (NER)

District	Scheduled Caste : SC								
	Projected Population of Age Group 6-11 (As per 1991 Census)			Enrolment of the Age Group 6-11			Enrolment as % of the Population (NER)		
	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
Hisar	72049	40247	31802	59778	32483	27295	82.97	80.71	85.83
Jind	39673	18764	20909	28863	15913	12950	72.75	84.80	61.94
Kaithal	31495	17892	13603	24568	13955	10613	78.00	77.99	78.01
Sirsa	38614	20488	18126	31184	16701	14483	80.76	81.52	79.90

Observations and Implications

- The NER among Scs across the districts ranges between 72.75% in Jind to 82.97% in Hissar.
- The NER among SC Girls is higher in Sirsa and Kaithal; which is encouraging.
- There is a wide difference of around 24% of NER between SC Boys and SC girls in Jind - which is alarming.
- The difference of NER among SC Boys and SC Girls in Sirsa is marginal, restricted to 1% only, hence moving toward equity.

Issue of Under Age Children at Primary Stage - Specially at Class I

Districts	ALL								
	Total Enrolment at Class I			Enrolment of Under aged (child of age less than 6)			% of underaged children to total enrolment at Class I		
	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
Hisar	46567	24485	22082	3529	1786	1743	7.58	7.29	7.89
Jind	30840	16357	14483	2482	1339	1143	8.04	8.18	7.89
Kaithal	23740	12734	11006	2163	1352	811	9.11	10.61	7.37
Sirsa	23958	12487	11471	1615	819	796	6.74	6.56	6.94

Observations and Implications

- The percentage of under aged children in class I ranges between 6.74% in Sirsa to 9.11% in Kaithal.
- The range of under aged boys in class I is 6.56 - 10.61 where as among girls it is 6.9-7.8%.
- There is a substantial difference of 3.3% among under aged boys and girls in Kaithal.

Issue of Under Age Children at Primary Stage - Specially at Class I

Districts	Scheduled Caste : SC								
	Total Enrolment at Class I			Enrolment of Under aged (child of age less than 6)			% of underaged children to total enrolment at Class I		
	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
Hisar	17587	9485	8102	1228	619	609	6.98	6.52	7.52
Jind	8396	4423	3973	527	285	242	6.28	6.44	6.09
Kaithal	7103	3905	3198	269	169	100	3.78	4.32	3.12
Sirsa	9112	4842	4270	506	245	261	5.55	5.05	6.11

Observations and Implications

- The percentage of SC under aged children in class I ranges between 3.78% in Kaithal to 6.98% in Hissar.
- The difference among under aged SC boys and SC girls is marginal.
- As compared to over all under aged children in class I, SC s underaged children are in a lower scale.

Problem of Over Aged Children at Primary Stage

Districts	ALL								
	Total Enrollment at Primary Stage			Over aged children at Primary Stage (child of age 11 and above)			Percentage of overaged children to total enrolment		
	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
Hisar	188238	100826	87412	19333	10917	8416	10.27	10.82	9.63
Jind	124131	67878	56253	13300	7835	5465	10.71	11.54	9.71
Kaithal	92036	50602	41434	9699	5437	4262	10.54	10.74	10.29
Sirsa	96662	51467	45195	10585	5930	4655	10.95	11.52	10.29

Observations and Implications

- The percentage of over aged children in primary stage low between 10.27% (Hisar) to 10.95% (Sirsa).
- Except in Jind (2%) the difference in percentages of over aged boys and girls is marginal.

Problem of Over-Aged Children at Primary Stage

Districts

Scheduled Caste : SC

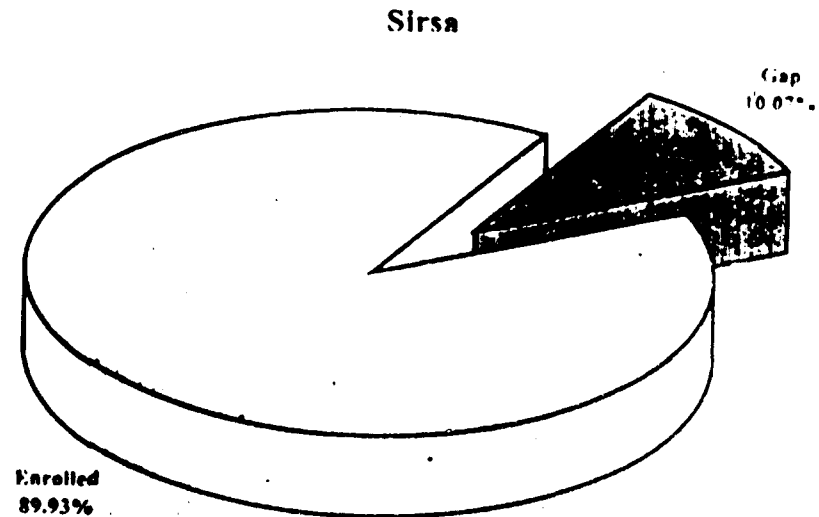
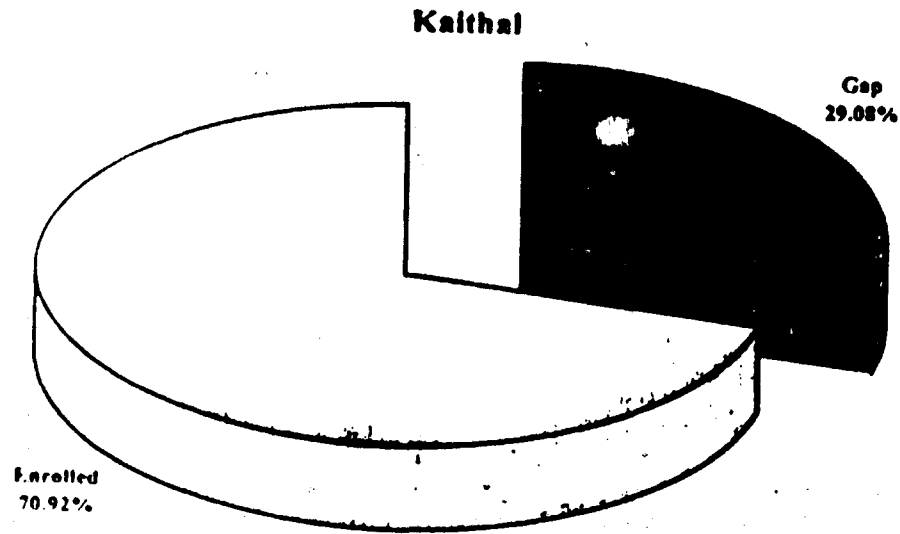
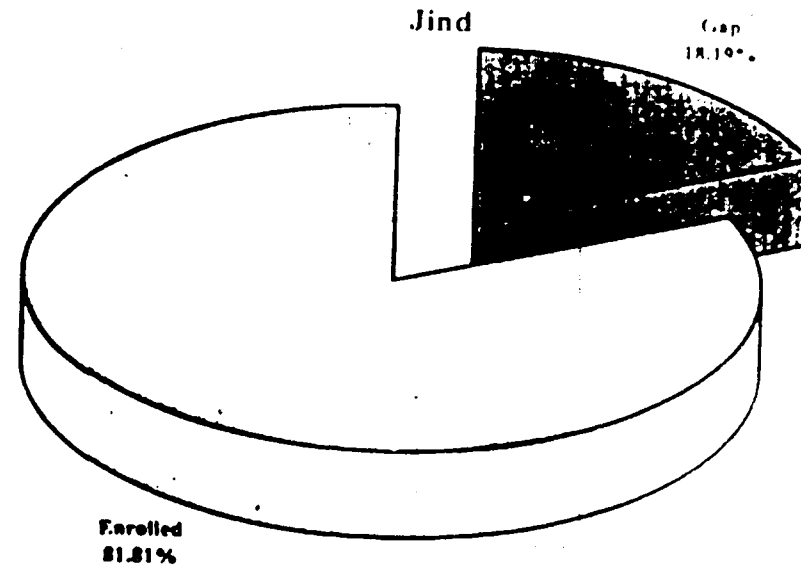
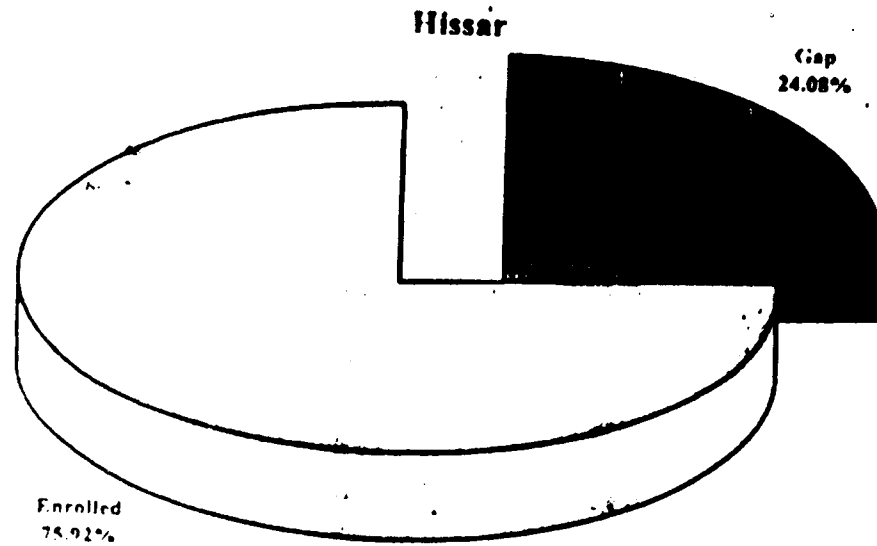
	Total Enrollment at Primary Stage			Over aged children at Primary Stage (child of age 11 and above)			Percentage of overaged children to total enrolment		
	Total	Boys	Girls	Total	Boys	Girls	Total	Boys	Girls
Hisar	63041	34253	28788	5655	3161	2494	8.97	9.23	8.66
Jind	30123	16642	13481	2538	1544	944	8.42	9.27	7.00
Kaithal	25634	14561	11073	2531	1407	1124	9.87	9.66	10.15
Sirsa	32996	17710	15286	3326	1893	1433	10.08	10.69	9.37

Observations and Implications

- The percentage of over aged SC children at primary stage ranges between 8.42% (Jind) to 10.08% (Sirsa).
- Except Jind (2%), the difference in ~~the~~ over aged SC boys and SC girls is marginal.
- The over aged SC children are less as compared to over all over aged children at primary stage across all the districts by atmost two percent.

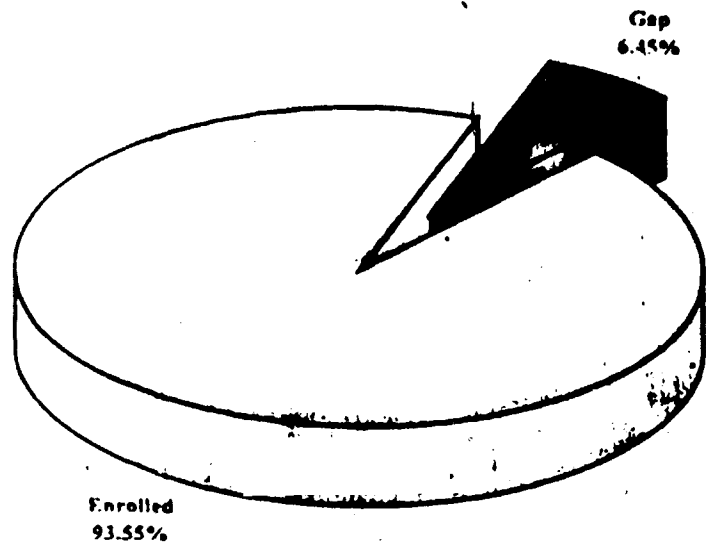
Over All Scenario

District-Wise Distribution of Enrolment to the Population of 6-11 - Haryana - 1996-97

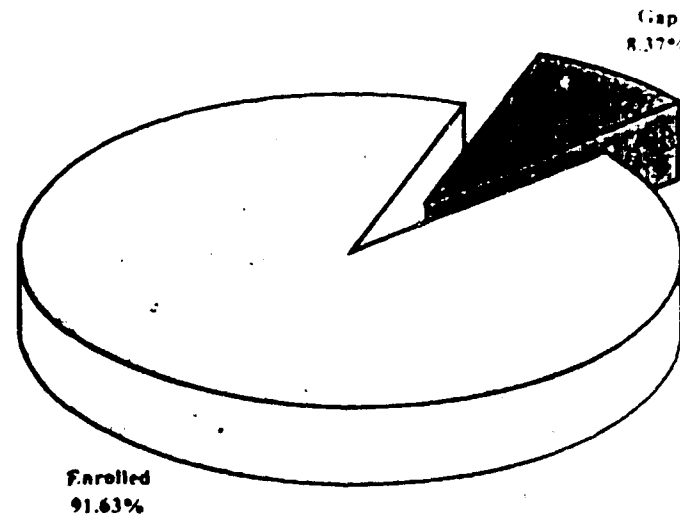


District-Wise Distribution of SC Enrolment to the SC Population of 6-11 - Haryana - 1996-97

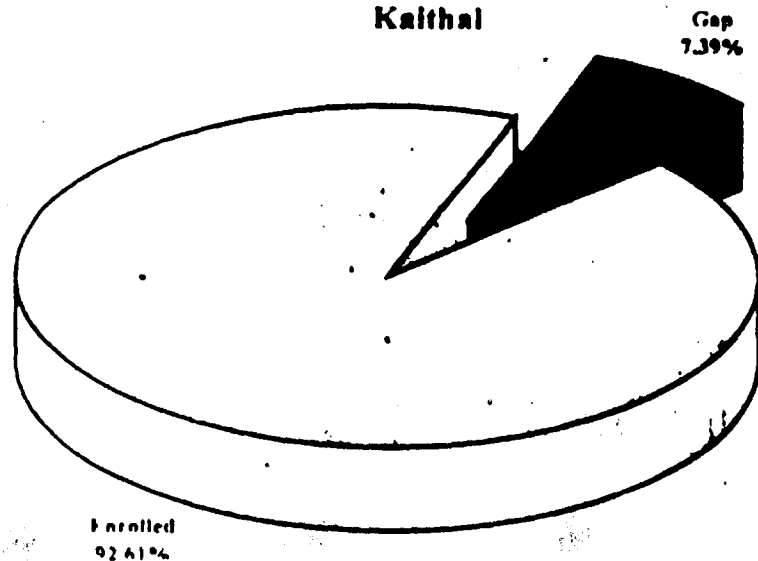
Hissar



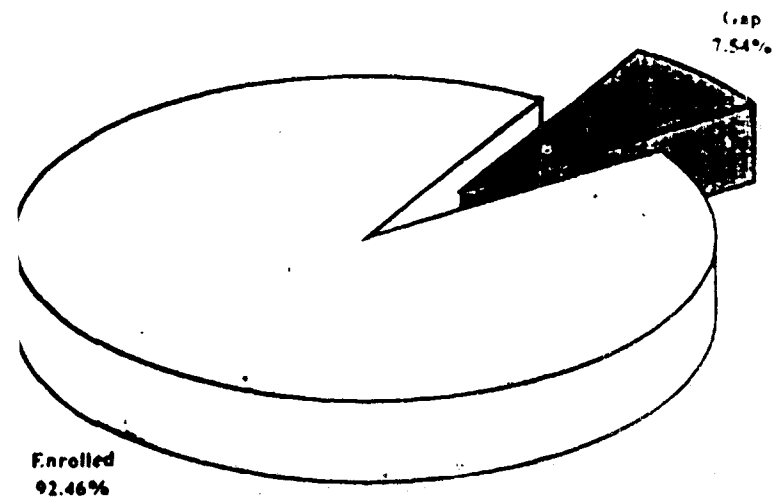
Jind



Kaithal



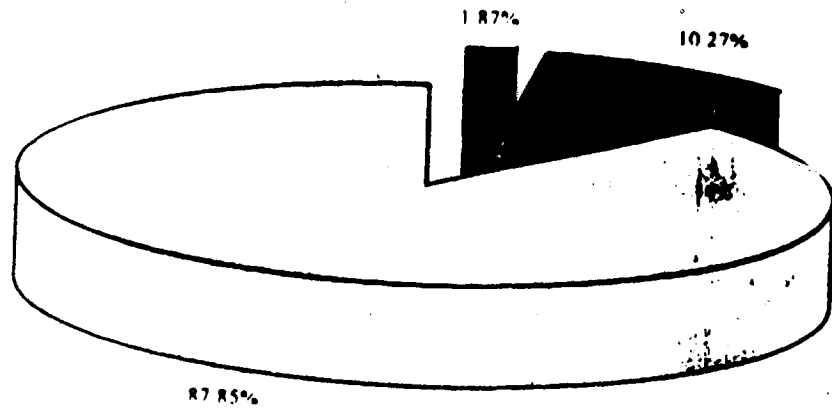
Sirsa



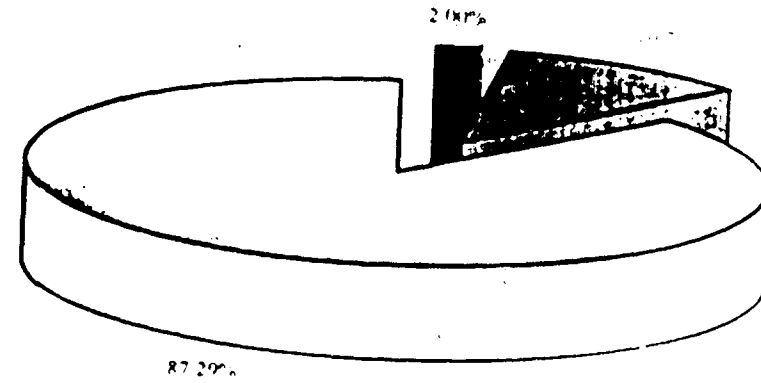
Distribution of Over Aged and Under Aged Children at Primary Stage - Haryana - 1996-97

- Under Aged at Class I
- ▣ Over Aged
- Enrolment

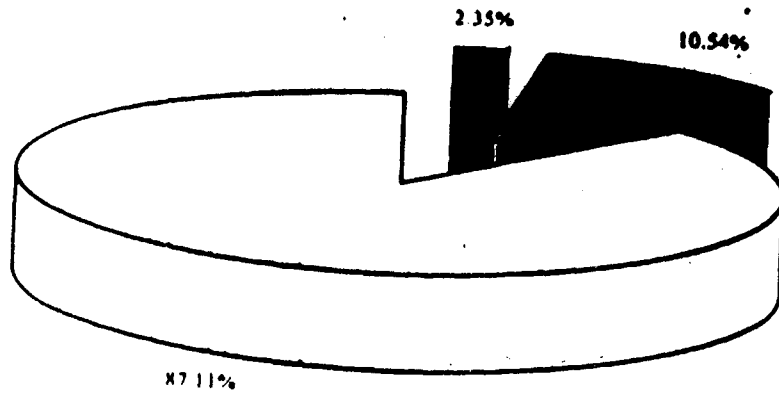
Hisar



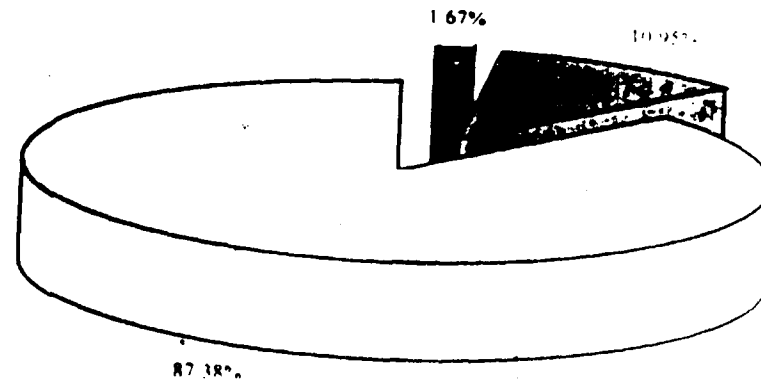
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Kaithal



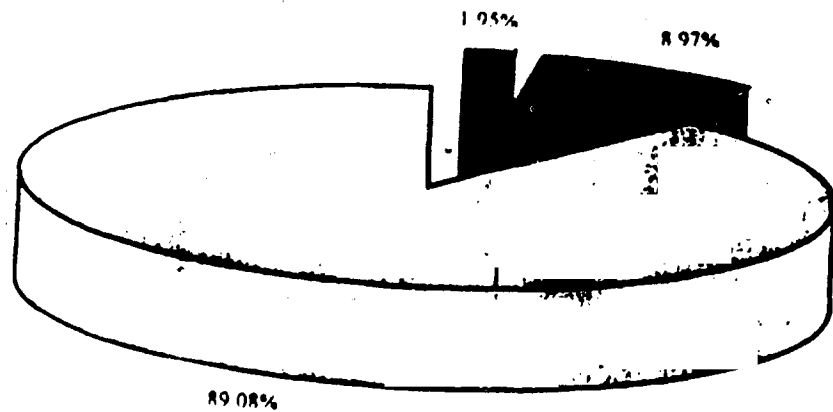
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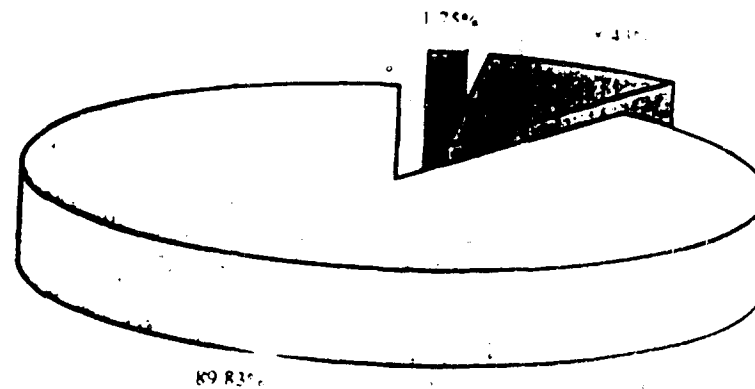
Distribution of SC Over Aged and SC Under Aged Children at Primary Stage - Haryana - 1996-97

- Under Aged at Class I
- Over Aged
- Enrolment

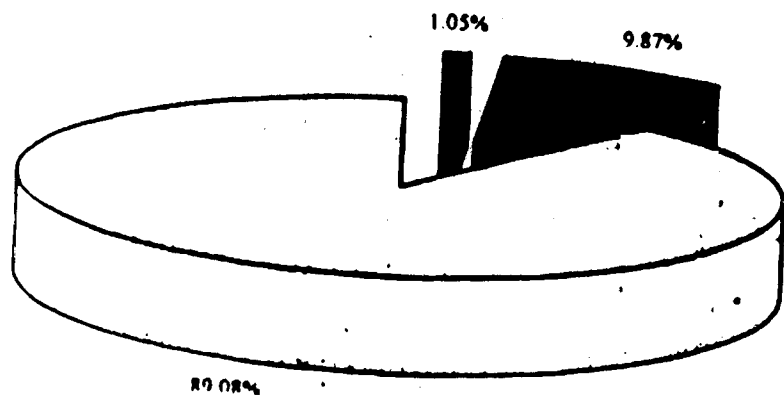
Hisar



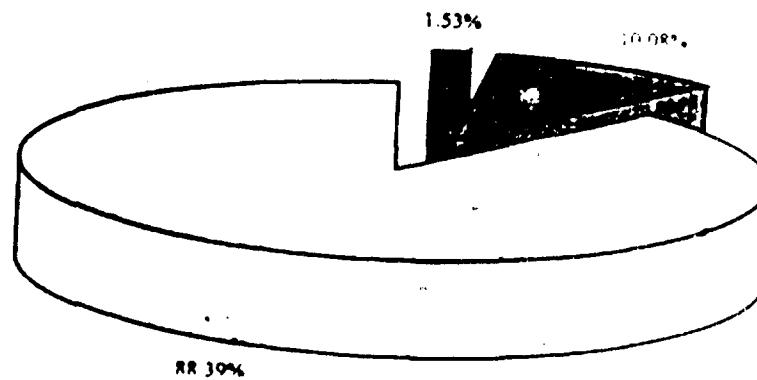
Jind



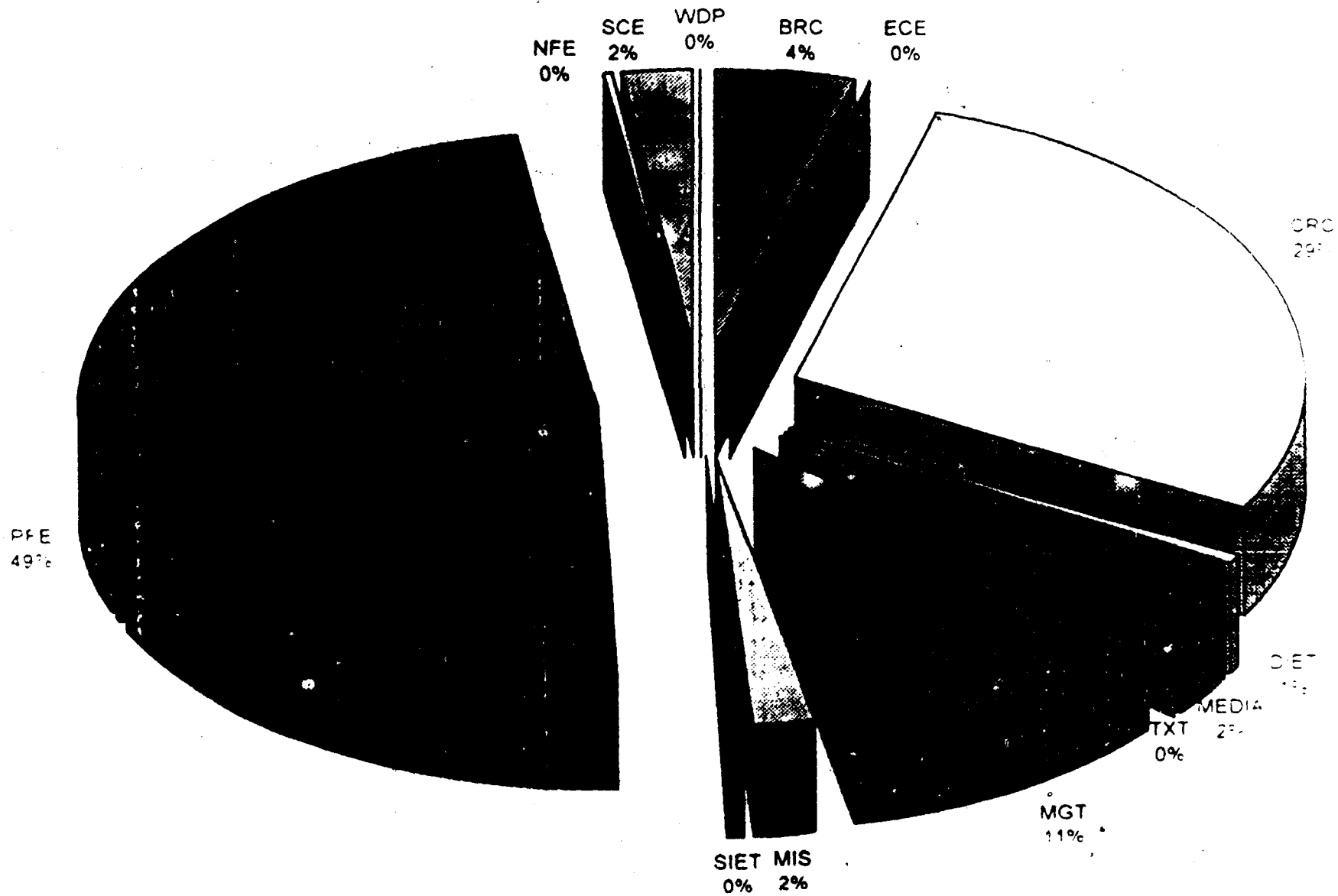
Kaithal



Sirsa

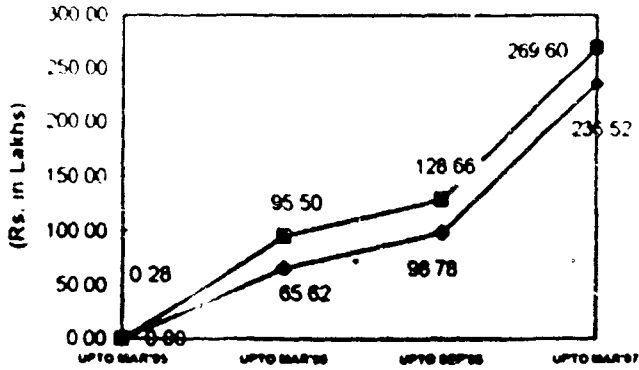


Expenditure at a Glance (Upto 30.09.96) HARYANA

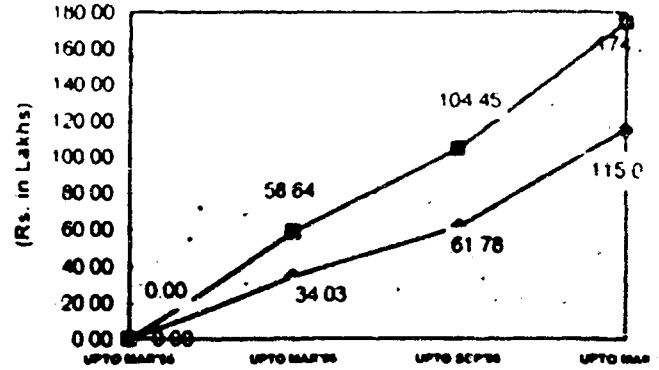


Expenditure Status on Primary Formal Education : HARYANA

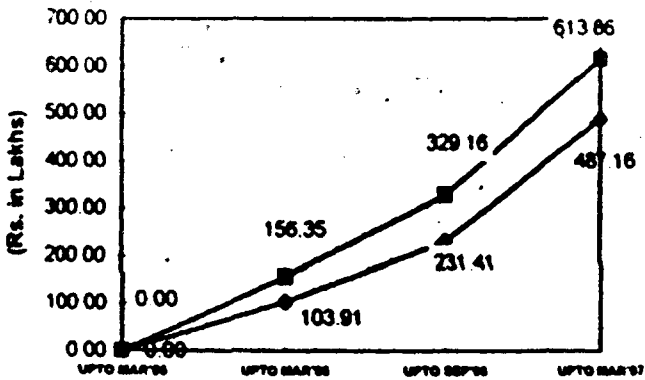
District : Kaithal



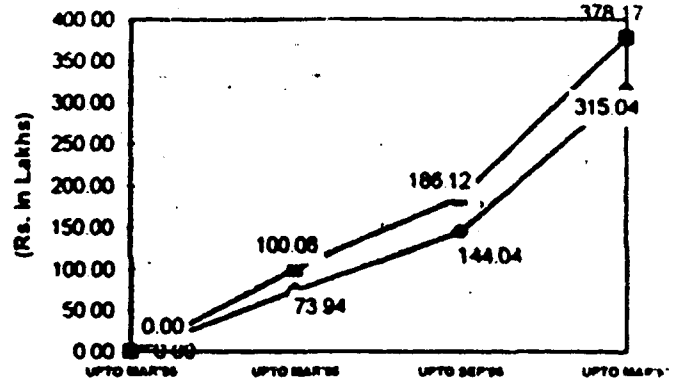
District : Jind



District : Hisar

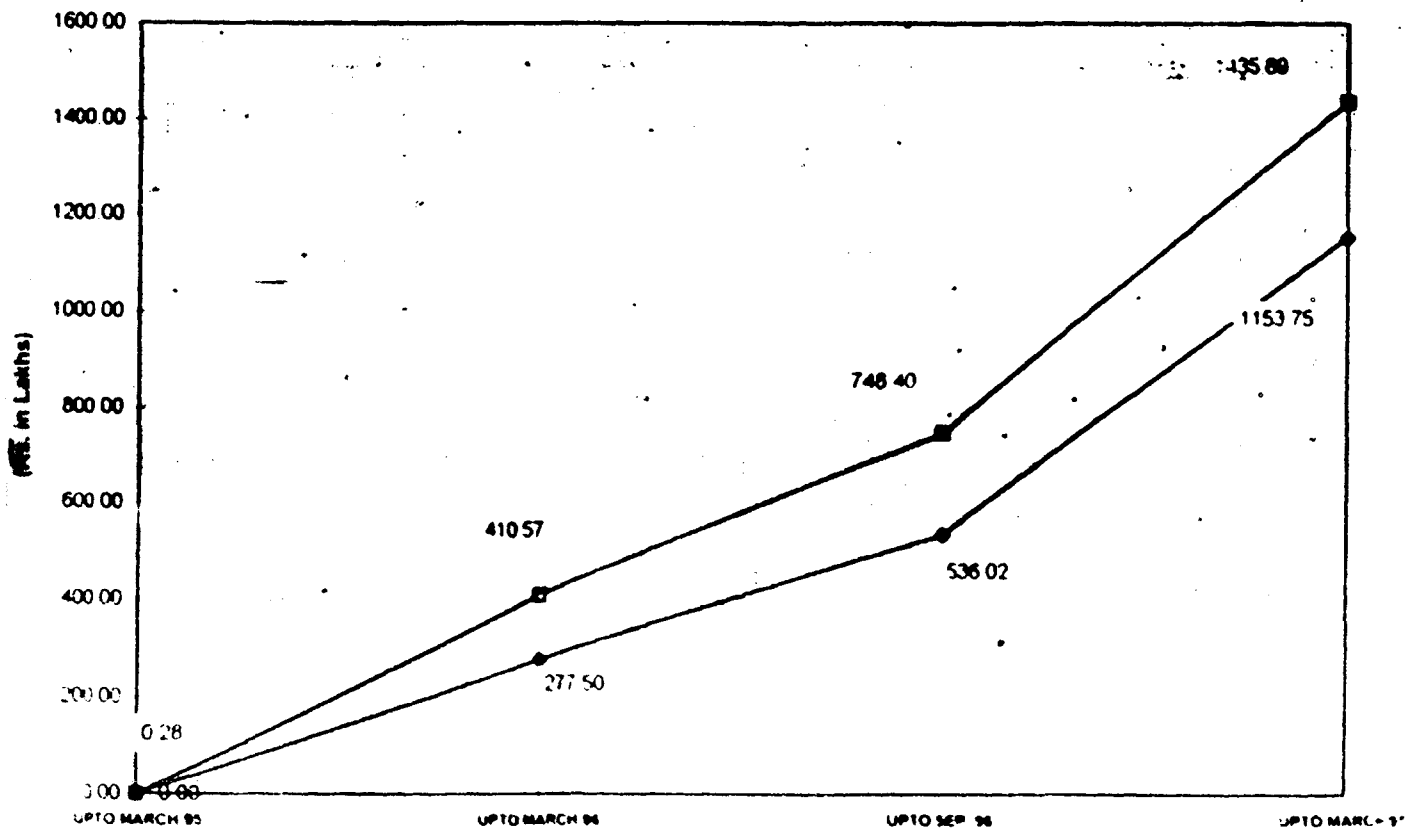


District : Sirsa

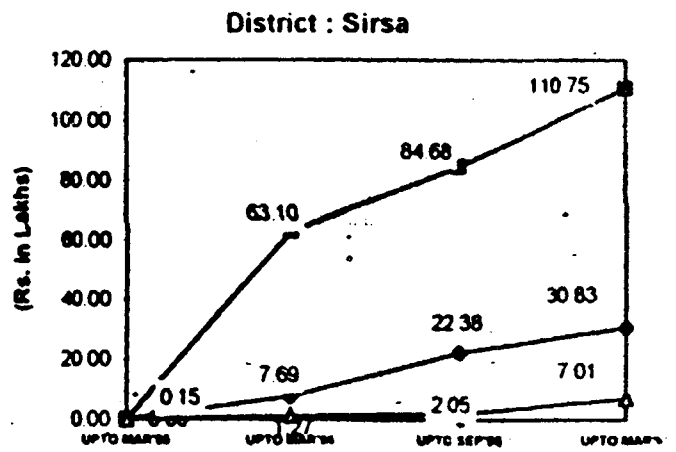
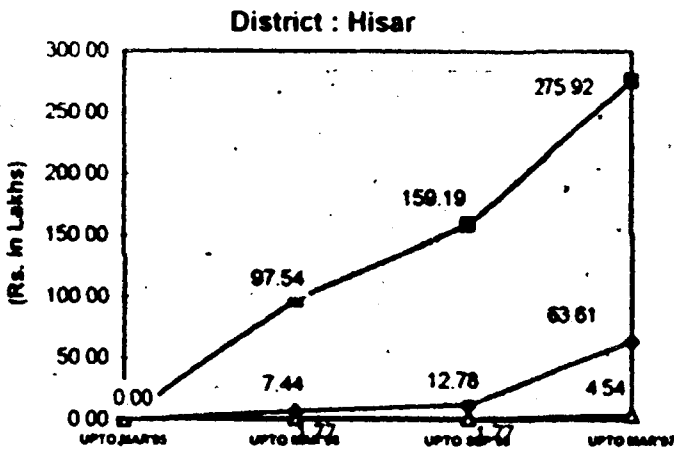
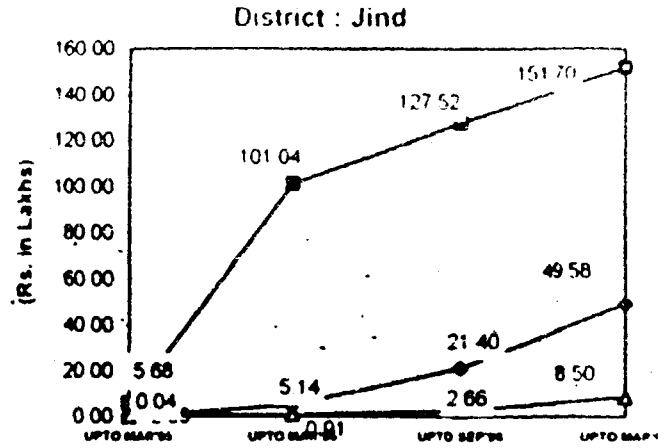
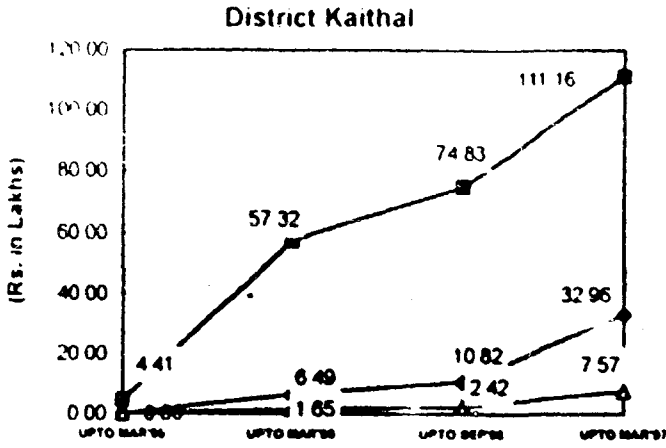


Expenditure for State as Whole

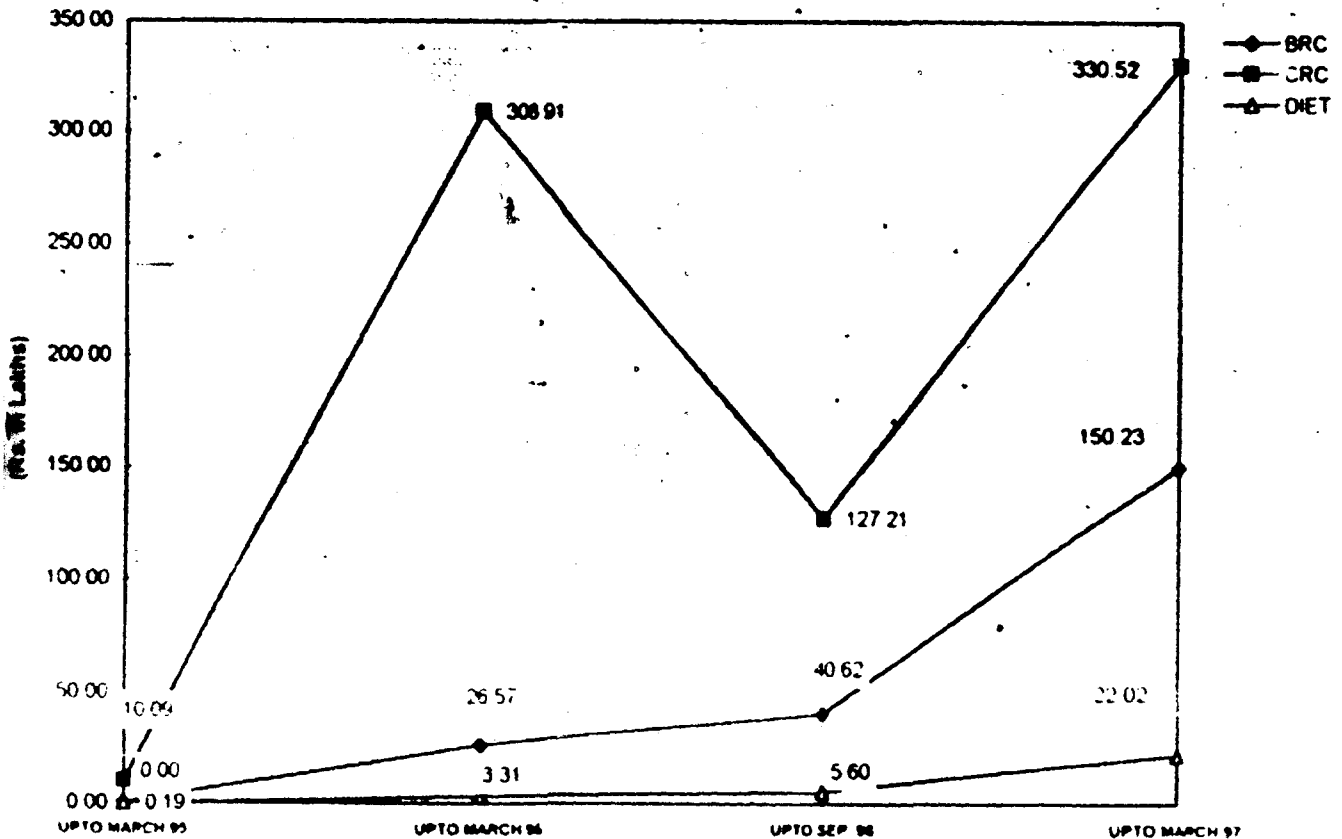
◆ PFE - CIVIC WORKS
 ■ PFE - OVERALL



Expenditure Status on CRC, BRC and DIET : HARYANA

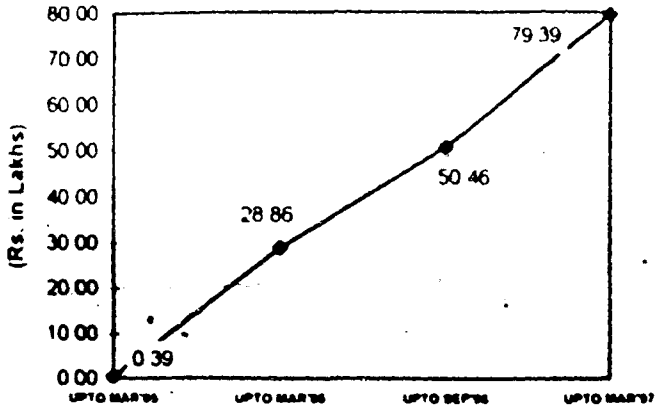


Expenditure for State as Whole

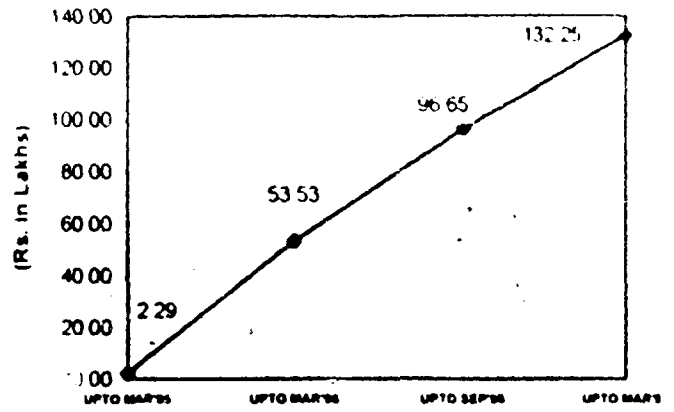


Expenditure Statement Training : HARYANA

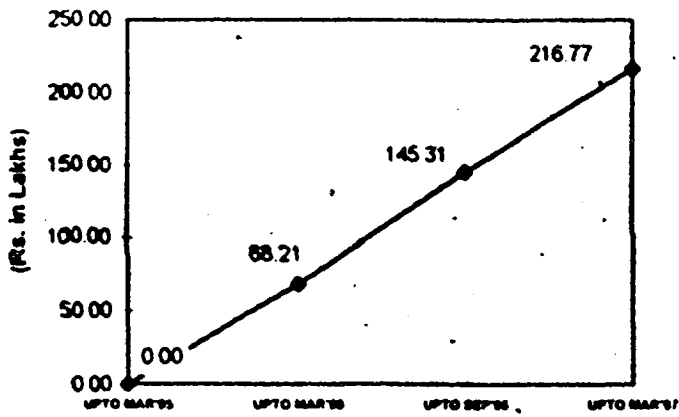
District : Kaithal



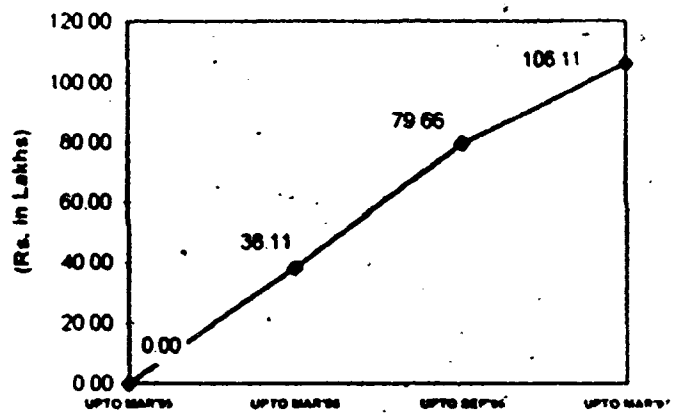
District : Jind



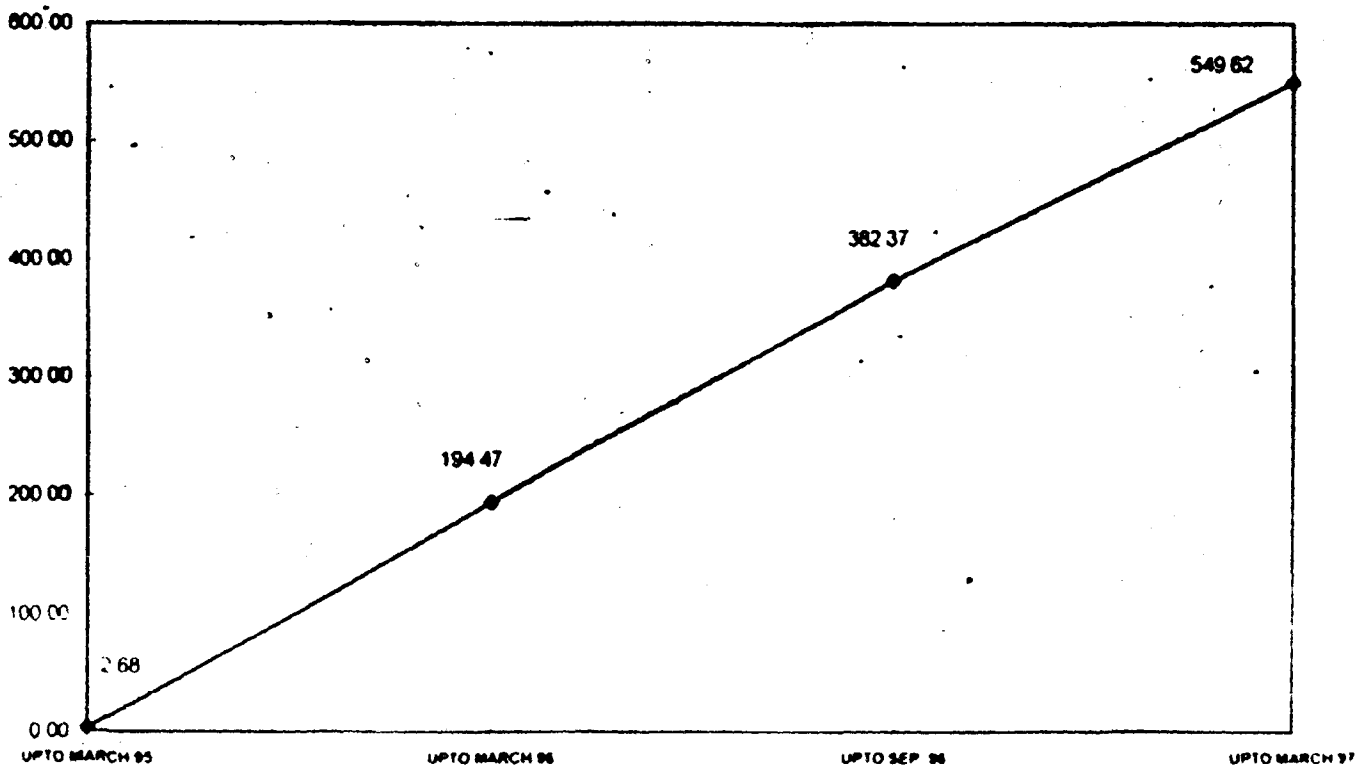
District : Hisar



District : Sirsa

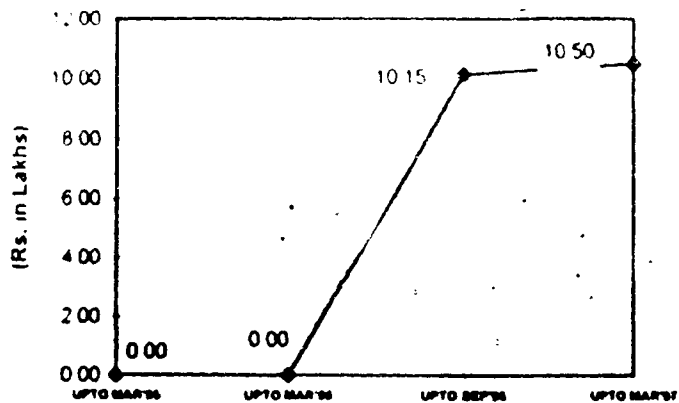


Expenditure for State as Whole

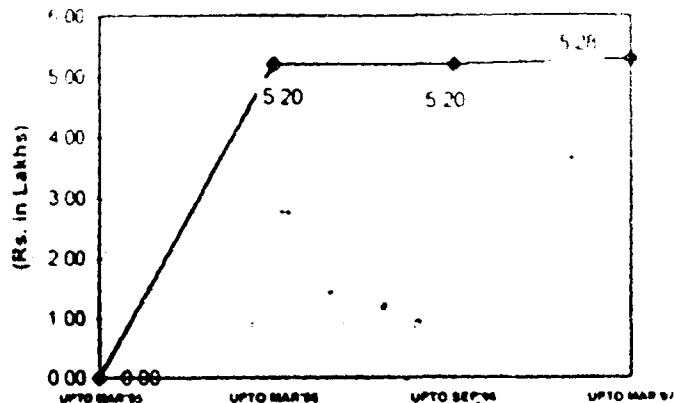


Expenditure Status on Text Book Distribution : HARYANA

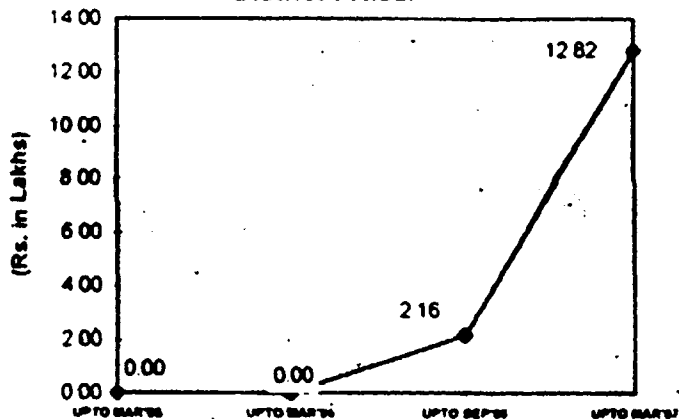
District : Kaithal



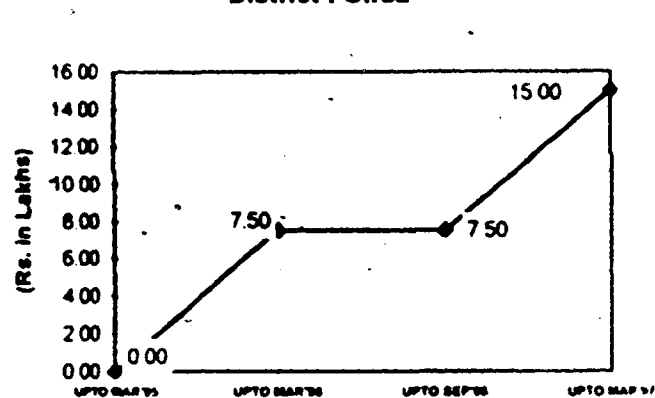
District : Jind



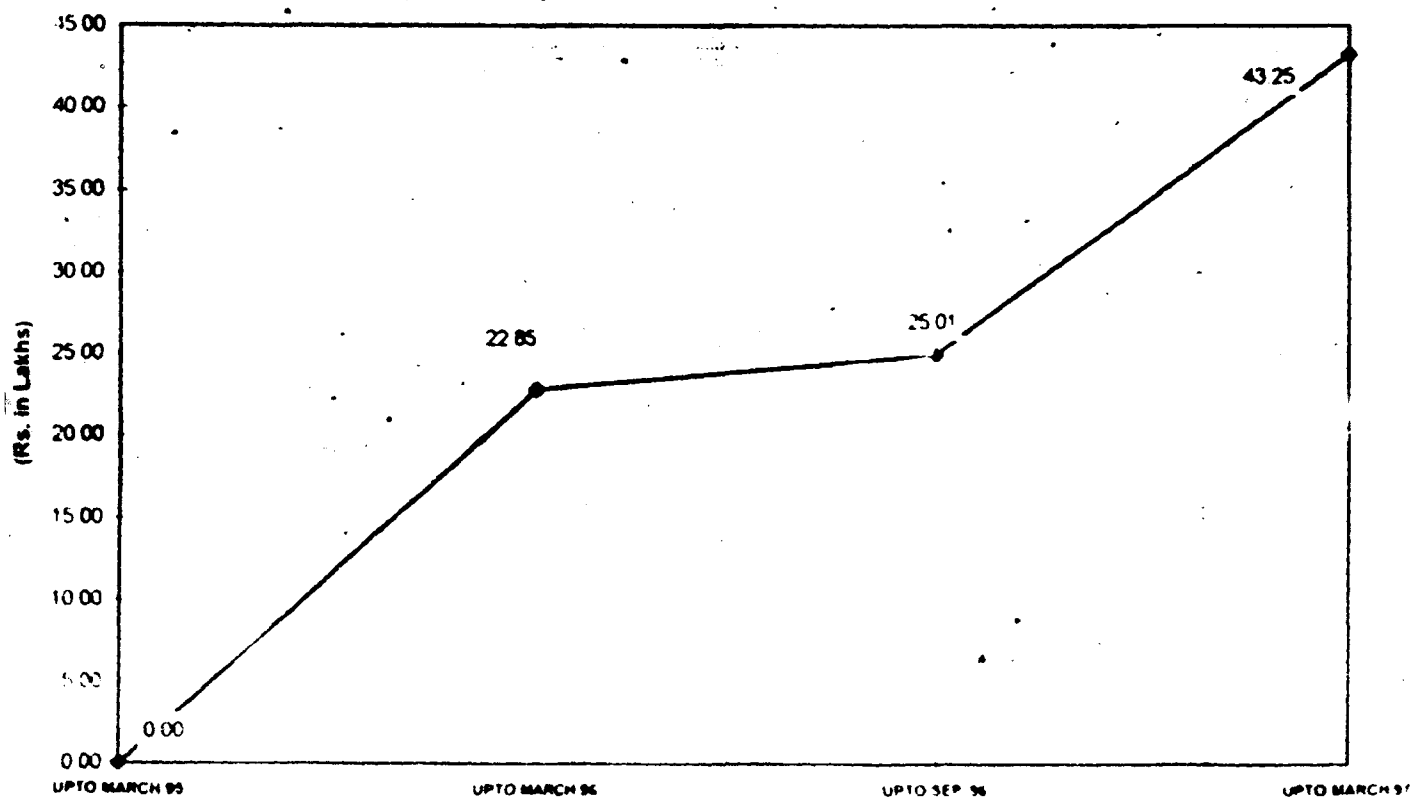
District : Hisar



District : Sirsa

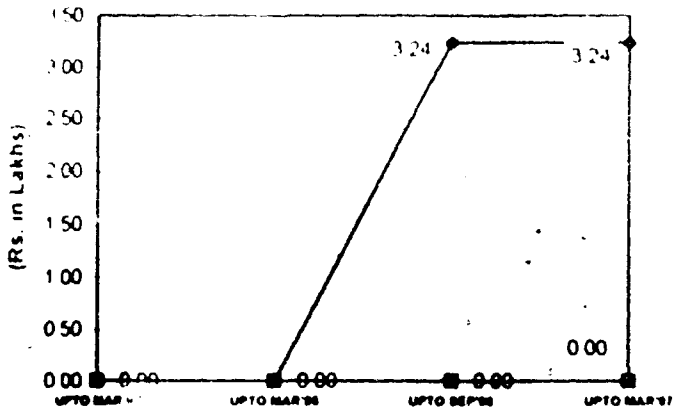


Expenditure for State as Whole

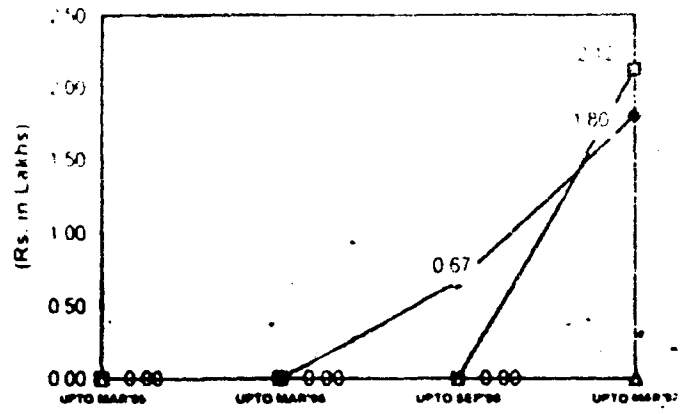


HARYANA

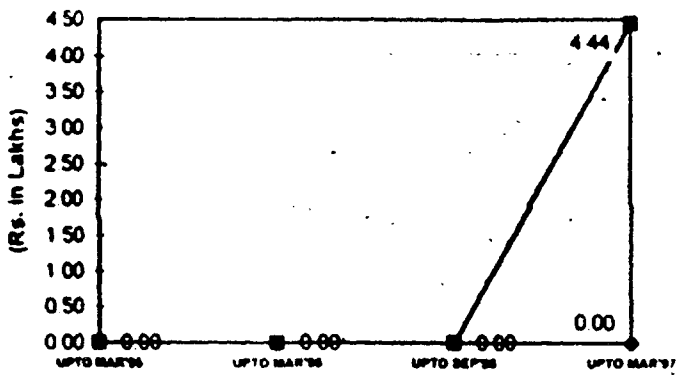
District : Kaithal



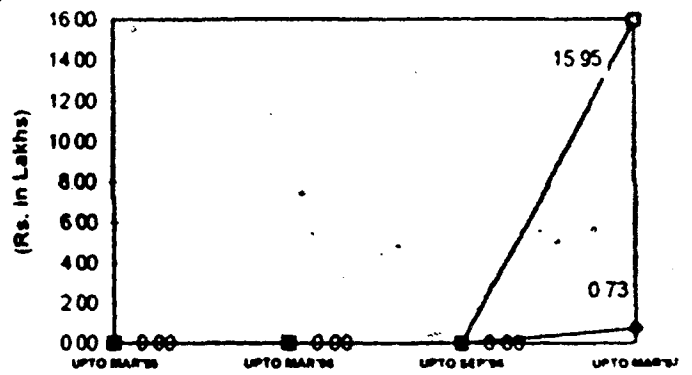
District : Jind



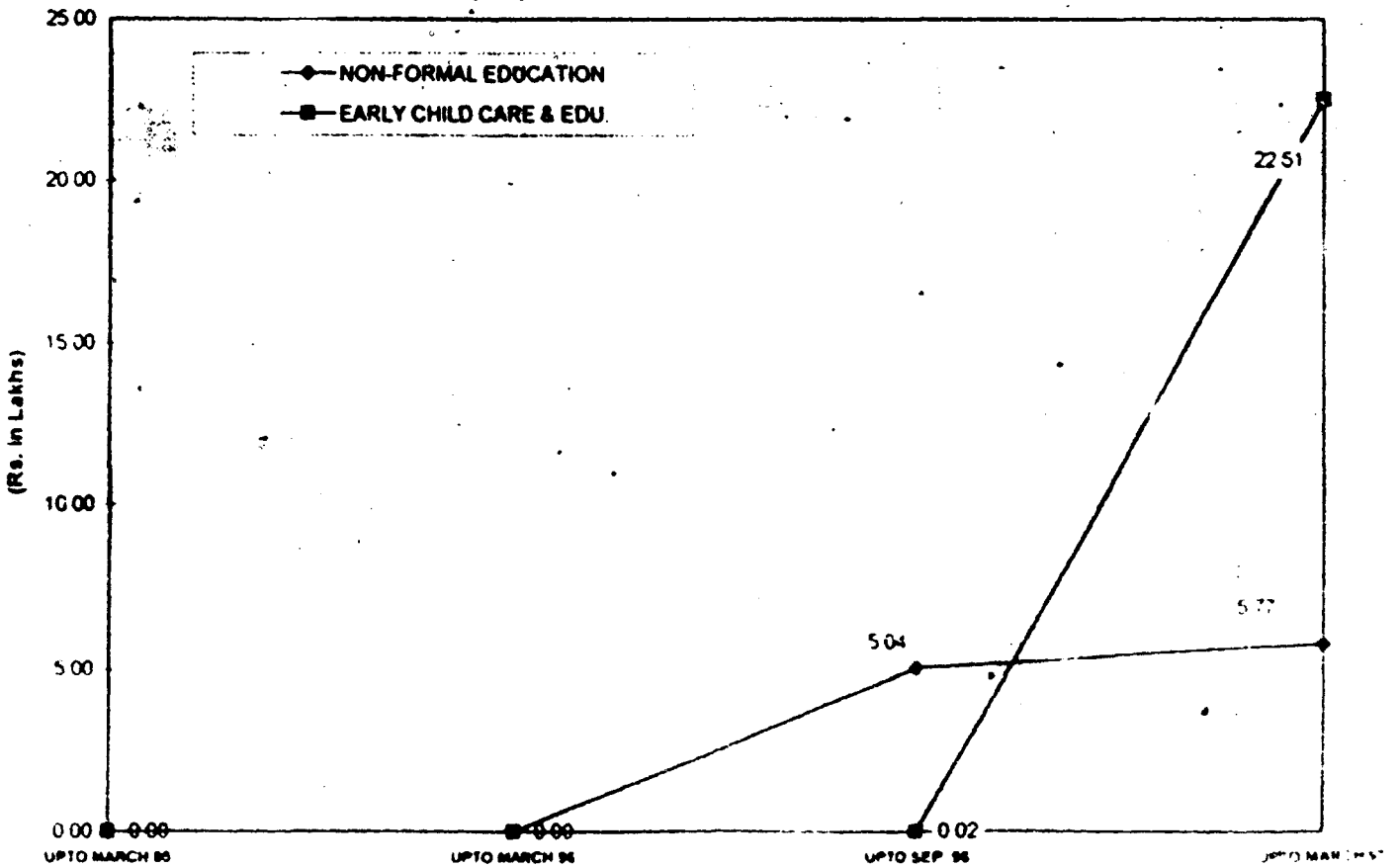
District : Hisar



State Intervention



Expenditure for State as Whole



Presentation by

Mr. D.K. Kar

New Delhi

LIBRARY & DOCUMENTATION CENTRE
National Institute of Educational
Planning and Administration.
17-B, Sri Aurobindo Marg,
New Delhi-110016
DOC, No.....
Date.....

Q-9842
17-03-98

Stages of EMIS Implementation 1997-98 : An essential Checklist for District / State MIS In-charge

Stage I

District level training Programme for 1997-98 EMIS implementation. Participation of Block Education Officers , district programmers and state level MIS in-charge.

Steps Involved

- ◆ **Please discuss every items of the Data Capture Formats, in detail .**
- ◆ **Please discuss the issues or problems faced if any during data collection during previous years.**
- ◆ ***Prepare in advance master list of schools with school codes for each block based on DISE 1996-97 and hand over the copy to the BEOs along with the DCFs for 1997-98 .***

Most Important

- ⇒ **“School Codes of 1996-97 are to be maintained for all future period”
No changes or re-initialisation of schools be allowed. Only new codes for New schools are to be generated through initialisation.**
- ◆ **All filled-in DCFs are to be scrutinised at Block level by BEO, before sending to the district head quarter .**
- ◆ **Please ensure “No Incomplete DCF is received from the schools ”**
- ◆ **Please ensure “No School is left out in the coverage, for data collection in 1997-98”**
- ◆ **Prepare a master list of schools at the block level for 1997-98 with school codes (indicating New schools if any) categorised on different management, i.e a) Govt. b) Local body c) Tribal Welfare Dept d) Pvt. Aided e) Pvt. Unaided.**

- ◆ **The Scrutinised DCFs along with a signed copy of the Master list of schools by BEO to be sent to the district office for data entry .**

Stage II

Pre- data entry exercise at district level .

Steps Involved

- **After receiving the DCFs of a particular block , please check whether Complete DCFs for all the schools (As per the master list of 1996-97 for Govt, Local body , Tribal Dept, Pvt Aided & Pvt. Unaided) are received.**
- **One register is to be maintained on block specific information on Number of DCFs issued and received and block-wise master list of schools based on different Management.**
- **If DCFs for some of the schools are not received or incomplete, report the matter to the concerned BEO immediately and bring this matter to the notice of the DEO for necessary action.**
- **Assign codes to the New schools if any , through Initialisation process as prescribed in the DISE2.01 software . (Important : To be done by the programmer at the district level, never be left to the Data entry Operators).**
- **Maintain a separate master list of new schools for each block for 1997-98 .**

Stage III

Data entry process at the district level and preparation of interim reports.

Steps Involved

- **Take up data entry of the schools block-wise , unless the data entry for one block is completed other blocks should not be taken up .**
- **After data entry for one block is complete, *run the consistency checks and refer to the DCFs for corrections and refer the problem back to the schools if needed for the entire block in one go, not in a piece meal.***
- **Run the data compilation and generate block level reports for the block.**
- **Start up the data entry work for the next block and follow all the above mentioned steps.**

Stage IV

Data entry process and block-wise data validation and preparation of trend analysis reports for each blocks.

Steps Involved

- **While data entry for other block is continuing, the Programmer's job is to supervise the data entry job and side by side prepare the trend analysis reports for each block on the following parameters.**

A) Schools.

- **Number of schools for 3 yrs i.e 1995-96 , 1996-97 and 1997-98.**
- **No. of schools on different management (i.e Govt. ,Local Body , Tribal Dept., Pvt. Aide and Pvt. Unaided) for last 3 years.**
- **If any discrepancy is observed or missing schools is observed please refer back to the master list and ensure data entry for those schools for 1997-98 and follow all the prescribed steps of Stage III.**

B) Enrolment trends.

- **Total Enrolments (Total, Boys & Girls).**
- **SCs Enrolment (Total Boys & Girls).**
- **STs Enrolment (Total , Boys & Girls).**

C) Enrolment at Class I trends.

- **Over All (Boys , Girls and Total)**
- **SCs (Boys , Girls and Total)**
- **STs All (Boys , Girls and Total)**

D) Trend Analysis for different classes.

- **Movement of the enrolment for boys, girls, SCs, STs in different classes i.e from Class II to IV/ V.**

E) Teachers

- **Total number of teachers (Male , Female).**
- **Compare number of teachers with that of no. of teachers received teachers grant for that year (Source PMIS)**
- **Please ensure the number of additional teachers appointed from DPEP in the block for the year is reflected in the data.**
- **Compare number of teachers with that of number of teachers as available with the DEO for cross validation.**
- **Trend on number of trained and untrained teachers.**

School Buildings

- **Trends in type of school buildings (Pucca, Partially Pucca, Kuccaha, Tent and No Building) under different management.**
- **Please verify, whether the no. of school buildings built during the year from DPEP and other sources whether got reflected in the present year data or not.**

G) Classrooms

- **Total number of classrooms in the schools under different management.**
- **Number of additional classrooms built from DPEP in that year, whether is reflected in the present year data or not.**
- **Please cross verify, whether the no. of classrooms that needs major repairs for last year with that of number of classrooms repaired if any from DPEP.**

- 7) Share the copy of the block level reports and trend analysis with BEO and ensure copy of the school level summary sheets for all the schools reaches the VEC and BRC for use in their training programmes.**

Stage V

Once the stage III and IV for all the blocks is completed, district level reports be generated and trend analysis for the district as a whole be attempted.

Steps Involved

- 1) All the above parameters as explained in stage III for blocks be covered for district level analysis also.**

- 2) Validated data with block level and district level trend analysis reports be handed over to state level MIS unit.
- 3) A hard copy of the final reports be shared with their DEO and final data may be shared with DIETs and individual researchers for further use.
- 4) Issues emerging from the analysis be communicated to the DPC for taking corrective actions and suitably using for preparation of the Annual Work Plan of 1998-99.

Responsibility of State level MIS unit.

- 1) To provide over all technical supports for implementation and work as nodal person for co-ordination between the state and the Nation level MIS..
- 2) To monitor the activities at the district level for completion in the agreed time schedule.
- 3) To prepare a state level analysis of trend emerging from 3 years of DISE data , to asses Impact on access, retention and dropouts.
- 4) To ensure increasing use of EMIS data for research, planning and administrative decision making.
- 5) To appraise the National level MIS on progress and send data and reports in time (*thoroughly checked before sending*) and take the entire responsibility of any data or information sent to the National bureau.

Presentation by

Mr. N. Prabhakar

KARNATAKA

DISTRICT PRIMARY EDUCATION PROGRAMME, KARNATAKA

PRESENTATION ON EMIS & PMIS

EMIS:

The data entry, consistency checks, compilation and report generation are completed in all the DPEP-I district except in Mandya District. The data entry, consistency checks & compilation work in five of the seven DPEP II districts is completed. The report generation has to be carried out.

The EMIS work in Dharwad district is not carried out for 1996 - 97 because this district is recently included in the DPEP program under II phase.

The EMIS work in Gulbarga district is completed and the consistency checking is to be made in that district.

Regarding the reports generated out of EMIS, we get very useful information regarding the villages without schools, schools that require repairs, schools without teachers, schools where there are more no. of teachers etc., (Samples attached as annexes)

We are preparing to print the EMIS reports pertaining to the particular district in multiple copies and distributing it to clusters, blocks, DPOs, DIETs, DSERT and few reports to even schools to enable the bi-directional flow of information which is one of the goals of the EMIS and this inturn makes the people at the cluster and block level to understand the seriousness and importance of the information they provide and receive.

The information / reports that are generated now are based on the information collected during September-October of last Academic year. Many changes have taken place in the infrastructure, teachers in position, number of children. So it will be very difficult to take any policy decisions based on these report, rather this will be useful only for comparative studies.

So the entire process of the EMIS for this year in 1997-98 has to be done in such a way that the entire reports and the analysis must be ready by the end of this year.

Our State Project Director and the computer programmers in DPEP, Karnataka feel that the work of the Programmers is not restricted to the computer room, especially in this type of developmental projects. It is necessary and a part of the work of the programmer to ensure that the data received from the field is reliable and timely. So, we are planning for EMIS of 1997-98 to have one day training programme at the block level for each block separately, to make the officials and the Headmasters who furnish the actual data, understands the importance of getting information from the raw data, which will be of immense use. The aspect of filling up of the EMIS data entry format will also be taken up in the training program. We will be requesting the Head Masters to bring all the information related to the EMIS data entry, for the next program fixed after 10 days of this training program.

During the second meeting the actual filling up of the EMIS format is done at a mass basis. The block education officer and the programmer will be present during this meeting to help the Head Masters in filling up of the information. So the collection of Information can be completed in one months time.

The entry of the data will theoretically take one month time and the correction work, compilation and report generation can be completed in the subsequent month. So the entire work can be completed in 3 months time.

Modification Proposed

- I. In Karnataka the education system is in the pattern as from 1st to 4th Primary, from 5th to 7th Higher Primary level. It will be very difficult to differentiate between the teachers of the primary section and the teachers of the higher primary level and so as the classrooms, furnitures facilities etc. It will be very useful if the software has the facility to atleast accept the data up to 7th standard. By giving 1-4, 1-5, 1-7 options in DISE and also to extract the information to xbase structure. This will be of great help in two ways.
 - Most of the villages have upto higher primary level. Apart from DPEP, Govt. of Karnataka is also doing various other project to improve the quality & infrastructure of the primary & higher primary education. Since DISE covers all the aspects of schools & their infrastructure the same information will be very useful for the State Govt. initiated projects too, if the information is available upto standard 7th. Otherwise the whole exercise including the collection of data, entry etc. has to be done again, from standard 1st standard 7th.
 - Since the State Govt. is also require the information for their schemes the pressure and binding on the personnel will be from two ways which makes the work faster and more reliable.

- II. The backup and restore options is also required to be updated.
- III. a)The Consistency programme gives errors even if the information is consistent in some cases.

b) Messages are to be included or updated for the errors in the consistency check screens.
- IV. In “All Report Option” , Block report option is not working properly.

Regarding the PMIS:

The PMIS software is installed in all the DPEP-I districts and the AWPB is entered in the software, the monthly and quarterly reports are being generated using PMIS. Our accounts department personnel feel that the information they require to monitor the progress is not available in PMIS reports. The greatest problem with the PMIS software is, it does not support the voucher entry system.

So, we have developed a software program called PFMS(Physical and Financial Management System) recently. The Software is still under testing in our districts. The software will be brought into a final shape once we receive feed back from the districts.

Presentation by

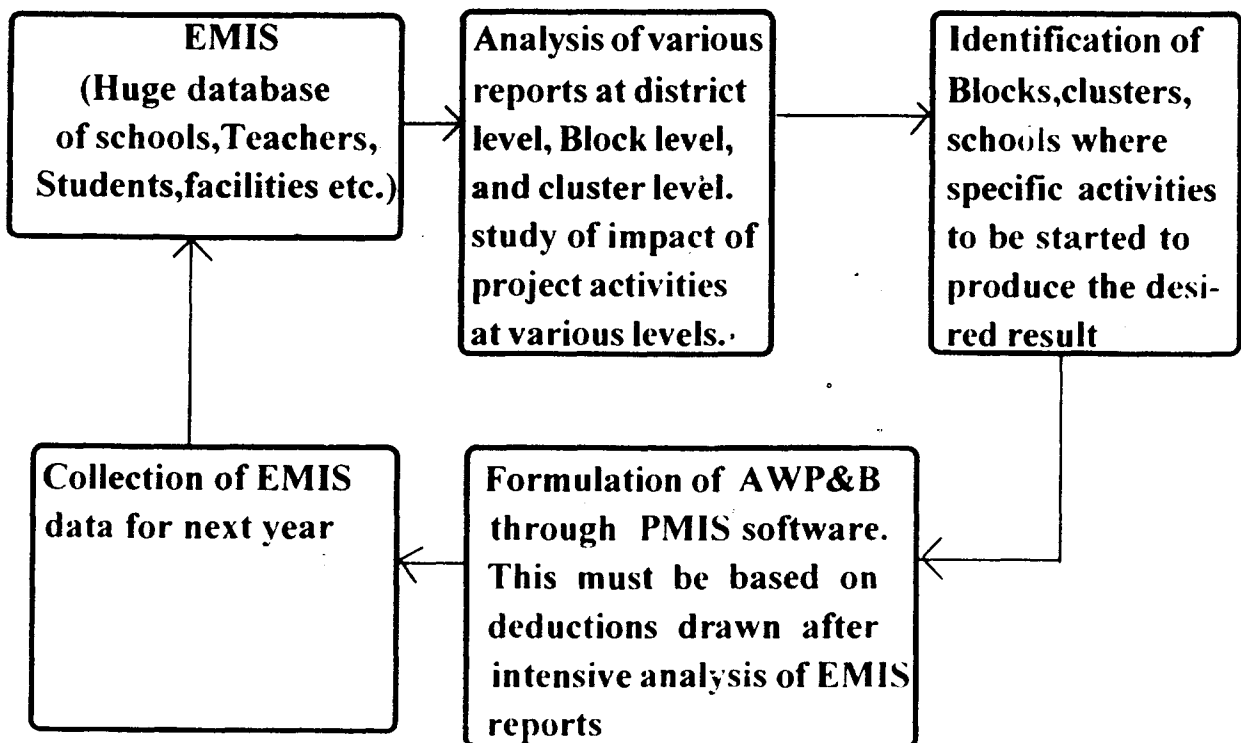
Mr. D.K. Mishra

HARYANA

District Primary Education Programme is very ambitious project to assist Primary Education in achieving major objectives of universalisation of Primary Education. Universalisation of Primary Education includes (i) universal enrolment (ii) 100% retention and (iii) MLL. To achieve these major objectives, we plan number of activities and sub activities every year in our AWP&B. This AWP&B is approved by Government of India and works are started accordingly. Since the start of this project, there was an urgent need of an effective mechanism which may be helpful in AWP&B formulation and Project monitoring. This gave birth to PMIS (Project Management Information System). PMIS is an effective on-line tool which is extensively used for AWP&B formulation and Project monitoring.

Educational Management Information System (EMIS) is another important component of MIS which contains the huge educational database pertaining to schools, teachers, students and facilities in the schools. These two softwares have very close relationship with each other and they can prove to be a boon for implentors of the project, if utilised in a phased manner.

Now what is the phased manner implementation of the EMIS and PMIS in the project is shown by the figure below :



Output reports from EMIS should be analysed very carefully at various levels i.e. at District, Block and Cluster levels. If any particular Block/Cluster shows lower value of any indicator i.e. GER, retention etc. than the district average value, there must be some specific activity in AWP&B for that particular Block/Cluster. Similarly impact of project activities on various indicators at various levels must be studied and as a deduction drawn after analysis, one should make realistic AWP&B based on actual data reports from EMIS. This will certainly lead to an effective implementation of DPEP project.

Status of MIS in Haryana

1. Staff Position :-

- (a) At SPO :- One System Analyst, One Programmer and two data data entry operators are in position at State project Office , Chandigarh.**
- (b) At District level :- One Programmer and two data entry operators are in position in each district.**

2. Hardware Procured :-

- (a) At SPO :- 2 Pentium 133 MHz and two 486 DX2 66 MHz based computers, one HP-5P Laser Printer and two Dot matrix printers, one HP-4 cse scanner along with 2 KVA UPS , Modem etc.**
- (b) At District level :- 1 Pentium 133 MHz, 2 intel 80486 DX2 66 MHz based computers, One Laser Printer HP-5P, 2 Dot Matrix printers, UPS, Modem etc.**

Status of PMIS and EMIS in the State

(a) **PMIS** :- PMIS is fully operational in Haryana. AWP&B are formulated every year with the help of PMIS and sent to GOI. After getting approval, works are started according to activities listed in approved AWP&B. Entries of expenditure and physical targets completed, are made in PMIS on quarterly basis. Progress reports are generated at District level. Hard copies and floppies are sent to State office. State Office consolidates these reports and generates progress report for the whole of State and sends it to GOI. This process is repeated in every quarter.

(b) **EMIS** :- A comprehensive one day training of DCF was included in teacher training programme in all four DPEP districts. Every year this training is imparted to teachers by Programmer. Thus teachers are now fully aware about the filling of DCF.

In the first week of September, we print DCF (Data capture format) and distribute it to the teacher through BRC and CRC, in each district. This process takes 2-3 weeks time. Data collection process starts in the last week of September every year. This data is then varified by BRC and CRC by counter signing the DCF.

This is then submitted to District Head office for entry. After completing entry and consistency checks, reports are generated. These reports at various levels such as BRC, CRC are analysed and sent to concerned BRC, CRC and schools for verification. These reports are also utilised for decision making at different levels. When district staff is fully satisfied about the quality of Data, they send it to State Office. State office checks the data consistency thouroughly and then comparative reports are made for each district. This comparative statement reflects the progress at different levels. Next year plan is made in the light of these EMIS reports.

Problems encountered during implementation

- a) **Lack of comprehensive training of teachers for filling of Data Capture Format.**
- b) **Instability in MIS Staff**
- c) **Switching over from foxpro to powerbuilder for both PMIS and EMIS softwares..**
- d) **Repeated trials and testing of software specially DISE S/W.**

Issues to be taken up by Ed.Cil

- 1. **An introductory workshop on use of Powerbuilder must be organised . This will be very useful in software maintenance. This may also be helpful in software upgradation if needed.**

Special features developed by State in addition to normal implementation of MIS

- (i) **Reporting formats have been designed for each office to be submitted to the next higher office in the hierarchy of reporting channels i.e. for CRC to be submitted to BRC and BRC to be submitted to DPIU and formats for DPIUs to be submitted to SPIU.**

Presentation by

Mr. S. Venkateshan

TAMIL NADU

DISTRICT PRIMARY EDUCATION PROGRAMME

TAMILNADU

STATUS OF MIS IMPLEMENTATION IN THE STATE

The MIS has become operational in the State with the purchase and installation of computers at the State Headquarters and in the four DPEP Phase I Districts named below, by September '96.

- ◆ *Dharmapuri*
- ◆ *Thiruvannamalai*
- ◆ *Villupuram*
- ◆ *South Arcot*

Educational Management Information System (EMIS)

- ◆ *The school data for the year 1996-97 have been collected from all the primary/middle schools of the four DPEP districts in the prescribed format. The data received was fed into the computers (through DISE 2.01 with respect to 1996-97).*
- ◆ *The relevant reports generated after due processes for year 1996-97. Thus the data base of school system has been created for all the four DPEP districts.*

- ◆ *For the DPEP Phase II Districts, the Baseline EMIS data have been collected in the prescribed format and the data is being processed at the Computer Centre in DISE 2.01 Software.*
- ◆ *The data for the years 1994-95 and 1995-96 was processed through private agencies and the same for the year 1996-97 processed at the Computer Centre in the Office of the SPD TamilNadu DPEP.*

Project Management Information System (PMIS)

- ◆ *The PMIS has become fully operational at the State Headquarters in the districts with the installation of the computers by Sept '96 .*
- ◆ *The activity-wise budgeted amounts as per the approved Annual Work Plan Budget and expenditure for each district and the State level interventions have been fed into the computer in the PMIS format.*
- ◆ *The actual expenditure incurred during each month was duly entered. After due processing, the quarterly and annual progress reports were generated out of the above data. As on date, the data reports upto the close of June-97 have been processed and generated.*
- ◆ *The Staff Appraisal Report and the reimbursement claims were also generated out of the above data base.*

II. PROBLEMS ENCOUNTERED DURING IMPLEMENTATION

Educational Management Information System :-

Problems to be attended to...

- ◆ *The EMIS software was found to be having some bugs, and therefore the software itself had to be debugged before it could be put to further use.*
- ◆ *Subsequently, at the application stage, there crept in certain errors in the database.*
- ◆ *There were some errors too in the EMIS data collected resulting in certain inconsistencies. Hence, the data was closely checked, scrutinised and revalidated.*
- ◆ *NULL values have been set to important fields, which conflicts in the distribution.*
- ◆ *Grand Total should be provided in the Distribution of ALL,SC and ST.*
- ◆ *Teachers Distribution should be checked for equality.*
(category, caste .etc)
- ◆ *School level deletion option can be provided.*

Project Management Information System (PMIS)

- ◆ ***Expenditure Period wise and not year wise for State level as well as District level Should be generated.***
- ◆ ***Activity wise expenditure Report - allocation including Target Advance Expenditure available but Balance not been reported.***
- ◆ ***SAR Report only cumulative figures are Available Break up for previous quarter not generated.***
- ◆ ***For the Activity PFE,C3 transaction cannot be keyed in.***

III Issues on which the State requires DPEP Bureau to take suitable action.

- 1. Strengthening of the EMIS and PMIS software to get rid of perceived problems.***
- 2. Training Programme for System Analyst and Programmers on application packages.***

IV Special features or highlights which the state has received in addition to the normal implementation for the purpose of cross sharing with the states.

- 1. A software for generating reports on the students achievement level was developed in Power Builder.*
- 2. A software on hard spots identification -viz. identification of*
- 3. problem areas for teachers in the classroom transactions, was also developed in Power Builder.*
- 4. The following DTP items of work were taken up and completed :*
 - ◆ Perspective Plan document for DPEP Phase II districts*
 - ◆ Annual Work Plan Budgets for 1996-97 and 1997-98 for DPEP Phase I districts*
 - ◆ The first AWPB for 97-98 relating to Phase II districts.*

V Future Strategies which the State proposes.

- 1. Computerisation of Pay Bills.*
- 2. Computerisation of Accounts.*
- 3. Personnel Management Information System.*
- 4. Developing a network between state and district systems for communication, quicker data access and data management.*
- 5. Documentation of all project interventions and the related reports.*

DISTRICT PRIMARY EDUCATION PROGRAMME

TAMILNADU

STATUS OF MIS IMPLEMENTATION IN THE STATE

The MIS has become operational in the State with the purchase and installation of computers at the State Headquarters and in the four DPEP Phase I Districts named below, by September '96.

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- ◆ *Thiruvannamalai*
- ◆ *Villupuram*
- ◆ *South Arcot*

Educational Management Information System (EMIS)

The school data for the three years 1994-95, 1995-96 and 1996-97 have been collected from all the primary/middle schools of the four DPEP districts in the prescribed format. The data received was fed into the computers (through DISE 2.01 with respect to 1996-97) and the relevant reports generated after due processes for all the above three years. Thus the data base of school system has been created for all the four DPEP districts. The above data is being periodically forwarded as required to the Ed. CIL and GOI in Floppy Disks together with the relevant reports generated. As for the DPEP Phase II Districts, the Baseline EMIS data have been collected in the prescribed format and the data is being processed at the Computer Centre in DISE 2.01 Software. The data for the years 1994-95 and 1995-96 was processed through private agencies and the same for the year 1996-97 processed at the Computer Centre in the Office of the SPD TamilNadu DPEP.

IV Special features or highlights which the state has received in addition to the normal implementation for the purpose of cross sharing with the states.

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- 3. Personnel Management Information System.*
- 4. Developing a network between state and district systems for quicker data access and data management.*
- 5. Documentation of all project interventions and the related reports.*
- 6. Wider-basing the EMIS and PMIS to include certain other crucial areas of project concern.*

Project Management Information System (PMIS)

The PMIS has become fully operational at the State Headquarters in the districts with the installation of the computers by September '96 . The activity-wise budgeted amounts as per the approved Annual Work Plan Budget and expenditure for each district and the State level interventions have been fed into the computer in the PMIS format. The actual expenditure incurred during each month was duly entered. After due processing, the quarterly and annual progress reports were generated out of the above data. As on date, the data reports upto the close of June-97 have been processed and generated. The Staff Appraisal Report and the reimbursement claims were also generated out of the above data base.

The PMIS data was being computerised in the prescribed PMIS format through an external agency until our own systems were purchased and installed in September 96. There after the task has been fully taken over by the Computer Centre of the DPEP.

II Problems encountered during Implementation

Educational Management Information System (EMIS)

Though there was some initial delay in the beginning, the needed momentum slowly started picking up. Initially there were some problems to be attended to.

The EMIS software was found to be having some bugs, and therefore the software itself had to be debugged before it could be put to further use. Subsequently, at the application stage, there crept in certain errors in the database. Now, with all these problems having been satisfactorily solved, the EMIS has become fully operational.

Subsequently, there were some errors too in the EMIS data collected resulting in certain inconsistencies. Hence, the data was closely checked, scrutinised and revalidated. In the circumstances therefore the training content is being refocused for better scrutiny and checking aspects of the tasks for obtaining correct and reliable school database.

Project Management Information System (PMIS)

The spill over activities carried over to the subsequent years could not be accounted for in the original software. But the software was subsequently rectified suitably. The monthly and quarterly expenditure statements were not received from the districts in time. However, there is a marked improvement now in the information flow, following periodical reviews by the State Project Director. And now the system is fully operational in the State headquarters.

III Issues on which the State requires DPEP Bureau to take suitable action.

- 1. Strengthening of the EMIS and PMIS software to get rid of perceived problems.*
- 2. Training Programme for System Analyst and Programmers on application packages.*

Presentation by
Mr. K.P. Singh
BIHAR

PROBLEMS ENCOUNTERED DURING IMPLEMENTATION

- * In data consistency check for G2 * is showing even if type of school building (E item 1) is 5 and values for all the items at 2,3,4 and 5 is zero by default.
- * Data consistency checks have been repeated even after the modification is completed.
- * The error is reduced when the consistency report is taken after compilation. Data consistency report is different before and after the compilation specially for G10, G11 & G12.
- * The following reports are not coming :-
 - a. Enrolment by Age Group.
 - b. Repeaters by classes.
 - c. Distribution of enrolment by single year Age for SC, ST.
 - d. Graph for distribution of schools by no. of working days.
- * **TAKING TOO MUCH TIME FOR COMPILATION**
e.g. in case of Rohtas for stage 9 i.e. for Cluster Report. IT TOOK 17 hours for compilation. In districts where power problem is common it is very difficult to compile the data.

- * While entering school particulars, if SC student is nil then it does not accept the ST student unless and until we give positive no. on SC column.

- * In school level data report of P.S. PHULI School having code 0401901, the figure in enrolment Data is not consistent as in Class 1, the no. of repeaters is 2 and no. of new admissions is 28 while total no. is too much (Total no. of students is not being printed).
No. of OBC student is zero but % OBC student is 2.27 in C.Key indicators.
There is report mismatch from B. enrolment Data to C.Key indicators.
There is no ST students in data entry but report is showing 19 students.

- * In Cluster level summary statistics Part - 7 No. of sections is 21 while no. of schools 22. There can't be less no. of sections. It means there is no. default check i.e. 1 for each class.

- * Lack of infrastructure specially in 10 new districts, even outside agency is not available or competent enough to do the work.

- * District level computer personnel are not conversant with Power Builder Software and trouble shooting of EMIS package. So they are facing lot of problems.

STATE TO RAISE FOLLOWING ISSUES

- * Immediate need of state level software which is not available.
- * the focus of DPEP is deprived class. We have added four pages in the data entry format like Muslim girls, Mushar, Dom and Wanderer classes. But these are not included in EMIS. Our humble request is to include these for the next year of EMIS.
- * In primary school, there is no Head Master/Principal, only Head Teacher is there. In which option they will come under teacher's details.
- * To avoid wrong data collection, the format should be state specific. There is no need to keep such column which is not relevant to the state.
- * **EFFICACY OF THE S/W MUST BE TESTED**
Otherwise just imagine what will happen when state will compile all districts, and centre will compile all states and subsequently data of 5 years will be compiled together.
- * Software be such which uses existing hardware and provides maximum timely results to help decision making to meet basic objectives of the Project. Otherwise we will be caught into the WEB OF DATA which is to be furnished at the National level.

SPECIAL FEATURES

- * State has first time collected data regarding MUSLIM GIRLS, MUSAHAR, DOM, WANDERER CLASSES AND DETAILS OF PATTERN OF FREE TEXT BOOKS.
- * DATA TO BE COMPILED

FUTURE STRATEGIES OF THE STATE

- * TO DEVELOP THE STUDENT ATTENDANCE MANAGEMENT INFORMATION SYSTEM (SAMIS).
- * TO DEVELOP BAL PANJI MIS to keep yearwise population of children.
- * Field manual will be attached with the data capture format for EMIS.

SELECTED INDICATORS - 1

District : ROHTAS

Year : 1996-97

Block Name	V1	V2	V3	V4	V5	V6	V7	V8*	V9*	V10	V11
NOF'IA	100.00	4.00	96.80	239	40.80	0.00	24.62	93.36	83.72	4.80	4.52
RAMGARH	100.00	1.98	96.04	254	69.31	0.99	19.78	87.92	83.78	5.94	3.05
ROHTAS	100.00	2.27	93.18	242	29.55	2.27	29.14	88.51	58.75	9.09	4.95
SASARAM	100.00	17.81	93.84	247	57.53	4.11	29.69	62.12	48.12	9.59	1.16
SHIVSAGAR	98.88	5.62	96.63	236	60.67	5.62	21.76	90.09	79.26	15.70	10.48
WRONG BLOCK	0.00	0.00	0.00	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	99.70	8.87	90.10	247	55.47	2.27	28.14	0.00	74.34	16.29	4.66

87.33

V1 % Rural schools

V2 % Schools covered under Operation Black Board

V3 % Schools with VEC constituted

V4 Average working days

V5 % Schools more than 20 years old

V6 % Schools less than 10 years old

V7 % Classrooms requiring major repairs

V8 Gross Enrolment Ratio

V9 Net Enrolment Ratio

V10 % Single teacher schools

V11 % Repeaters in primary classes

Note : * Values of V8 and V9 may not reflect true picture if population data is at variance with enrolment data.
 '0' indicates that population data for the particular Block is missing.

In such cases, the district average may be misleading.

SELECTED INDICATORS - 1

District : ROHTAS

Year : 1996-97

Block Name	V1	V2	V3	V4	V5	V6	V7	V8*	V9*	V10	V11
ADHAURA	100.00	0.00	24.24	252	13.64	0.00	48.60	98.07	93.66	51.52	10.74
BHABHUA	99.36	0.00	89.74	253	62.18	0.64	19.68	89.69	78.47	10.90	3.64
BHAGWANPUR	100.00	0.93	90.74	249	58.33	5.56	33.46	90.55	88.25	32.33	5.27
BIKRAMGANJ	100.00	12.30	96.72	243	72.13	2.46	31.86	83.04	73.69	5.74	11.56
CHAINPUR	100.00	0.00	86.67	253	34.44	3.33	10.31	68.99	59.76	32.22	1.12
CHAND	100.00	0.00	89.55	252	67.16	2.99	31.58	78.89	69.90	22.39	1.21
CHENARI	100.00	0.00	98.57	238	50.00	8.57	27.88	116.53	105.21	17.14	6.45
DAWATH	97.96	1.02	96.94	247	82.65	0.00	24.76	71.14	56.19	22.45	1.82
DEHRI	100.00	7.75	96.12	249	75.97	3.10	34.58	72.68	63.92	10.55	7.11
DINARA	100.00	63.75	93.75	246	56.88	1.25	31.62	88.49	70.40	13.13	2.03
DURGAWATI	100.00	0.00	89.33	250	49.33	2.67	27.59	83.79	73.56	17.33	3.12
KARAKAT	97.69	5.38	96.15	246	57.69	0.77	33.33	102.45	78.49	16.92	4.51
KARGAHAR	100.00	3.02	96.98	251	74.87	2.01	31.08	105.95	91.04	13.07	3.08
KUDRA	100.00	1.11	85.56	252	28.89	1.11	19.27	94.65	93.24	13.33	5.21
MOHANIYA	100.00	3.70	50.93	253	28.70	1.85	18.68	86.25	84.31	18.52	4.01
NASRIGANJ	100.00	19.63	97.20	240	57.01	0.93	31.85	94.33	79.61	13.03	3.62
NAWHATTA	100.00	0.00	96.23	241	9.43	3.77	44.44	93.53	63.76	41.51	11.43

SCHOOL LEVEL DATA

District : ROHTAS

Year : 1996-97

Block : KARGAHAR

Village Name/Ward No. : PHULII

School Name : P.S.,FULI

School Code :0401901

A. General Information

Rural/Urban	Rural
Year of Establishment	1971
School Category	Primary
Type of School	Co-educational
Management	Educational Department
School Covered under OBB	No
Type of School Building	Pucca
Status of School Building	Government
<u>Total students(Pr. Classes)</u>	132
Number of Class rooms	1
Number of Teachers	2
Number of Male Teachers	0
Number of Female Teachers	2

B. Enrolment Data

Description	Class I	Class II	Class III	Class IV	Class V	
<u>Number of Girls</u>	67	20	21	16	8	132
Number of SC Student	27	12	7	8	4	
Number of ST Student	19	3	4	4	2	* NO ST
Number of OBC Student	0	0	0	0	0	
Number of Repeaters	2	0	0	1	0	
Number of New Admissions	28	0	0	0	0	
Students Receiving Free text books	31	3	4	7	0	
Students getting Other Incentives	48	17	0	0	0	

C. Key Indicators

Indicator	School	Block	Remarks
Pupil :Teacher Ratio	66.00	49.40	
% OBC Student	02.27	03.28	
% SC Enrolment	24.24	18.99	
% ST Enrolment	00.00	00.00	
% Girls	24.24	42.03	
% SC Girls to SC Enrolment	34.38	06.54	
% ST Girls to ST Enrolment	00.00	00.00	
% Repeaters	21.21	03.08	
Drop_out Rate	N.A	N.A	

CLUSTER LEVEL SUMMARY STATISTICS : PART - I

District : ROHTAS

Year : 1996-97

CRC Name	No. of Schools	ENROLMENT												Class Rooms	Sections
		All Students	All Grls	SC All	SC Grls	ST All	ST Grls	OBC All	Class I	Class II	Class III	Class IV	Class V		
G.M.S. CHEN	22	4381	1935	1254	462	0	0	169	1757	884	707	562	471	61	21
G.M.S. KARG	14	2143	948	406	132	0	0	0	875	397	354	295	222	30	14
G.M.S. KOCH	19	2603	1117	423	154	0	0	0	829	576	418	382	396	49	19
G.M.S. SHIVE	14	1820	813	324	127	0	0	0	762	346	303	228	179	25	14
G.M.S. KARG	2	299	133	65	29	0	0	0	89	84	60	39	27	2	2
G.S.M.S. SAK	10	1881	753	362	128	0	0	388	827	372	287	303	292	37	10
GOV P.S. SUI	19	2279	986	338	156	0	0	257	859	392	391	316	321	32	19
GOV P.S. TET	20	3289	1313	819	313	0	0	812	1057	734	583	483	432	61	26
K.K. SANJHA	26	3779	1704	431	175	0	0	478	1357	721	581	604	518	60	28
K.M.S. BIKRA	16	2566	1168	407	130	0	0	233	810	515	454	403	384	61	16
M.S. AKBARF	11	2198	897	400	131	24	5	862	833	458	345	306	256	42	12
M.S. ALAMP	9	1571	684	394	165	40	11	0	634	328	255	209	147	23	9
M.S. AMIYAW	15	2130	938	401	147	0	0	24	710	516	350	290	284	49	16
M.S. ARANG	11	1593	654	343	119	0	0	91	490	327	239	258	279	18	11
M.S. AURAN	11	1702	709	223	70	54	18	442	591	378	254	233	248	32	11
M.S. BADDI	8	1055	415	310	108	48	13	63	375	270	137	158	115	20	8
M.S. BARAHL	17	2052	863	591	216	0	0	332	823	340	313	304	272	27	15
M.S. BARAW	14	2439	959	558	197	0	0	28	720	508	432	379	402	34	14

PRIMARY SCHOOL AGE GROUP POPULATION AND ENROLMENT

BLOCK : SASARAM

YEAR : -1996-97

ITEM	POPULATION (6 - 11)			ENROLMENT (6 - 11)		
	Total	Boys	Girls	Total	Boys	Girls
Total	36925	17418	19507	17769	9662	8107
Scheduled Caste	5882	2775	3107	3594	2158	1436
Scheduled Tribe	333	157	176	105	60	45
Other Backward Classes	0	0	0	375	203	172
Others*	30710	14486	16224	13695	7241	6454
% SC	15.93	15.93	15.93	20.23	22.33	17.71
% ST	0.90	0.90	0.90	0.59	0.62	0.56
% OBC	0.00	0.00	0.00	2.11	2.10	2.12
% Others	83.17	83.17	83.17	77.07	74.94	79.61

OTHERS* = Total - SC - ST-OBC

BLOCK / MANDAL / TALUK SELECTED EDUCATIONAL STATISTICS
(Primary Classes)

District : ROHTAS

Year : 1996-97

Block	No. of Schools	Students	Teachers	Class rooms	No. of Sections
ADHAURA	66	4665	110	107	67
BHABHUA	156	21913	433	315	156
BHAGWANPUR	108	13975	234	257	108
BIKRANGANJ	122	17351	441	339	127
CHAINPUR	90	10751	195	223	88
CHAND	67	8909	159	171	67
CHENARI	70	13107	195	165	68
DAWATH	98	11254	272	210	95
DEHRI	129	24955	489	428	160
DINARA	160	21432	448	370	158
DURGAWATI	75	9798	212	203	72
KARAKAT	130	20237	416	384	128
KARGAHR	199	29353	598	473	199
KUDRA	90	12776	271	218	90
MOHANNA	108	15742	338	364	104
NASRIBANJ	107	18033	364	314	105
NAWHATA	53	8182	120	162	56
NOKHA	125	17883	430	264	123
RAMGARH	101	18571	318	273	102
ROHTAS	44	8402	132	151	41
SASARAI	146	22936	535	448	144
SHIVSAGAR	89	13755	259	216	91
WRONG BLOCK	0	0	0	0	0
Total	2333	343980	6969	6055	2348

CLUSTER LEVEL SUMMARY STATISTICS : PART II

District Name : ROHTAS

Academic Year : 1996-97

CRC Name	Teachers						Pupil Teacher Ratio	% of Repeaters in class I	% Schools with VEC	% single Teacher Schools	No. of Schools without Building	Schools covered under DPEP	Schools receiving contingency grant
	All	Female	% Female	Untrained	% SC	% ST							
G.M.S.,CHENARI	65	13	20.00	3	15.38	0	67.40	7.06	100.00	13.64	0	22	1
G.M.S.,KARGAHAR	43	10	23.26	0	13.95	0	50.05	0	100.00	14.29	1	14	2
G.M.S.,KOCHAS	59	7	11.86	1	6.78	0	44.25	0	94.74	5.26	2	13	2
G.M.S.,SHIVSAGAR	33	9	27.27	4	6.06	0	55.15	8.79	100.00	21.43	0	13	8
G.M.S.KARGAHAR	5	2	40.00	0	0	0	53.80	0	100.00	0	1	2	1
G.S.M.S.,SANJHAULI	52	5	9.62	4	7.69	0	36.17	38.44	100.00	0	0	6	0
GOV.P.S.,SURYAPURA	48	12	25.00	3	6.25	0	47.38	0	100.00	10.53	4	19	12
GOV.P.S.TETRAHDH	54	3	5.56	11	12.96	0	60.91	10.41	100.00	20.00	0	16	0
K.K.,SANJHAULI	87	25	28.74	7	16.09	0	43.40	26.60	100.00	0	3	24	3
K.M.S.,BIKRAMGANJ	7	37	48.05	3	6.49	0	30.86	23.70	100.00	0	2	16	3
M.S. AKBARPUR	34	3	8.82	0	23.53	0	64.65	8.85	100.00	18.18	0	11	2
M.S. ALAMPUR	24	1	4.17	0	12.50	0	65.46	17.19	100.00	33.33	0	9	8
M.S. AMYAWAR	48	3	6.25	8	14.58	0	47.54	3.66	100.00	6.67	0	15	1
M.S. ARANG	33	7	21.21	1	6.03	0	50.36	1.22	91.62	27.27	4	11	3
M.S. AURANGABAD SP	38	2	5.26	0	10.53	0	44.79	25.04	100.00	9.09	0	11	4
M.S. BADOI	20	3	15.00	3	20.00	0	52.50	21.33	100.00	12.50	0	3	8
M.S. BARAHUTI KALA	45	18	40.00	4	8.89	0	48.58	6.80	100.00	17.65	1	17	12
M.S. BARAW	65	12	18.46	5	10.77	0	37.32	16.39	92.86	0	2	14	0
M.S. BELVAIYA	56	11	19.64	2	10.71	0	42.70	5.53	100.00	0	0	14	6
M.S. BHADARA	31	2	6.45	7	32.25	3.23	62.19	19.37	100.00	42.86	0	14	0

Presentation by

Mr. Srikant P. Kulkarni

MAHARASHTRA

MAHARASHTRASUGGESTIONS REGARDING
PIXIS

1. PIXIS software should match with voucher based accounting system.
2. Components of physical target need to defined.
3. SAR format may be developed in PIXIS software
4. '0' code may be provided on state head office level so that the dist. level expenditure could be reflected wherever necessary
5. Need to provide for Double Entry Accounting system in PIXIS.
6. Facility for consolidation of data of all districts is necessary now.

EMIS

SUGGESTIONS

1. Master Generation should be separate phase which should precede the stage of filling in the forms.
2. The school code should be provided to the head masters before and the same should be filled in on the form.
3. Total school tally is a must.
4. Cluster, Block and district batch control should be provided.
5. Validation on the basis of these controls is necessary.
6. Administrative machinery lacks in technical knowlao.
A separate Users Manual needs to be developed.
7. The Data entry will be fast if it is without reference to master everytime.
8. Validation of mismatches should be provided offline and corrections need to be provided by the BED's.

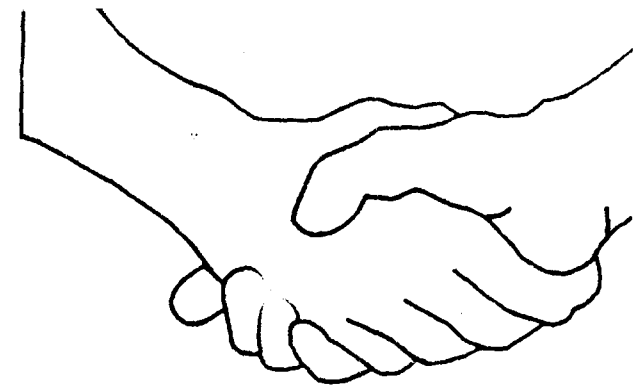
PROBLEMS ENCOUNTERED DURING IMPLEMENTATION

1. **Compilation problem** : Database is required to be repetitively compiled. Data is to be compiled each time when reports are to be generated.
2. **Export to DBF files** : Software does not exports SC & ST Enrollment Data.
3. **Lowest class in School** : Software does not accept 5 th class as lowest class. In Maharashtra there are many Schools where lowst class is 5th and highest class is 10th.
4. **Checks on teachers in position** is required e.g. if teachers in position is 10 then software should not accept 9 or 11 teachers in sexwise, trainingwise & eastwise classification.
5. In Constistency check S14 Error could not be recover.

Presentation by

Ms. T.V.R. Bhavani

ANDHRA PRADESH

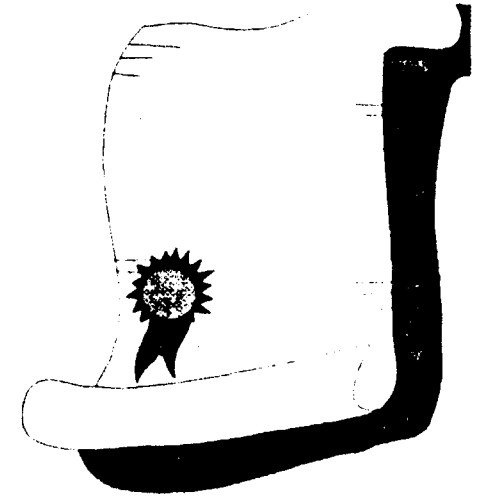


**WELCOME TO
PRESENTATION ON
IMPLEMENTATION
OF
PMIS & EMIS IN A.P.
DPEP**

STATUS OF MIS IMPLEMENTATION

Establishment of MIS cell

- MIS cell established at State Project Office
- Established at Vizianagaram, Nellore, Warangal and Karimnagar districts
- Not yet established at Kurnool district.



Manpower

- One Systems Analyst, one Programmer and two Data Entry Operators are working at SPO
- Programmers are not posted at district level as it is very difficult to get qualified and trained professionals.
- Two Data Entry Operators are posted at each District Office

Implementation of EMIS and PMIS

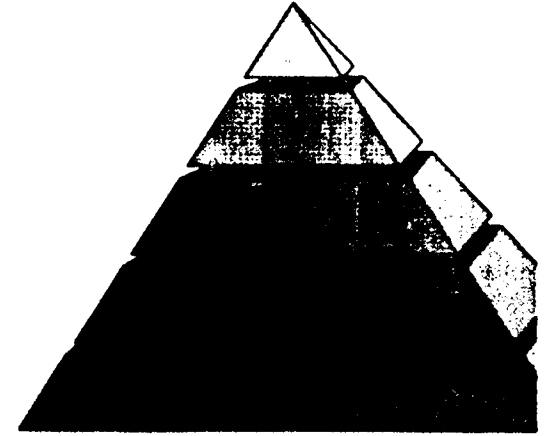
- Implemented at State Project Office
- EMIS implemented at 4 districts
- PMIS implemented at 2 districts

PROBLEMS ENCOUNTERED DURING IMPLEMENTATION

- Delays in Hardware procurement
- Non -availability of Programmers
- Problems in installing PMIS

Special Features which the State has achieved

- Developing an Integrated Education Management Information System to meet State level requirements as well as GOI requirements.



- A comprehensive computerised system consisting of 8 modules is under development.

- * Statistical System

- * School Monitoring Information System

- * Text Books Distribution

- * School Database and Teachers Database

- * Payroll

- * Financial Accounting

- * Private Schools Administration

- * Pre-Public Examinations support

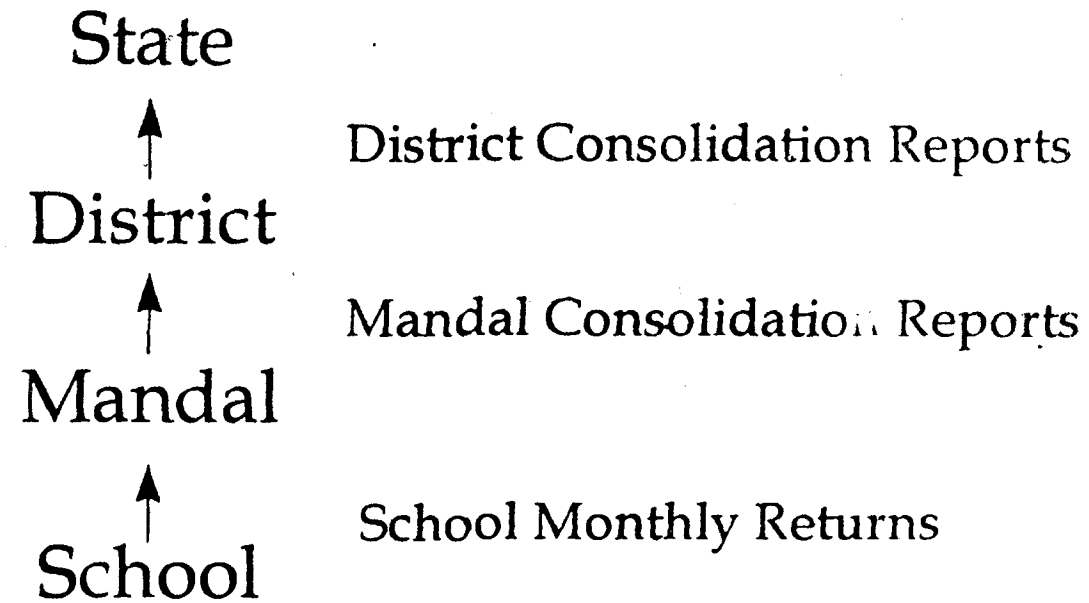
- Developed a comprehensive *School Monitoring Information System (SMIS)* to monitor quality of Education on monthly basis on

- * *Enrollment*
- * *Attendance*
- * *Coverage of syllabus*
- * *Unit tests conducted*
- * *Students performance*

Objectives of SMIS

- To keep track of enrolment, attendance and retention details of students
- To monitor the quality of education & achievement levels

Data Flow



Benefits of SMIS

- To achieve better reliability with an aim to help in the process of decision making and planning
- To meet growing information needs
- To measure the academic achievements of the students

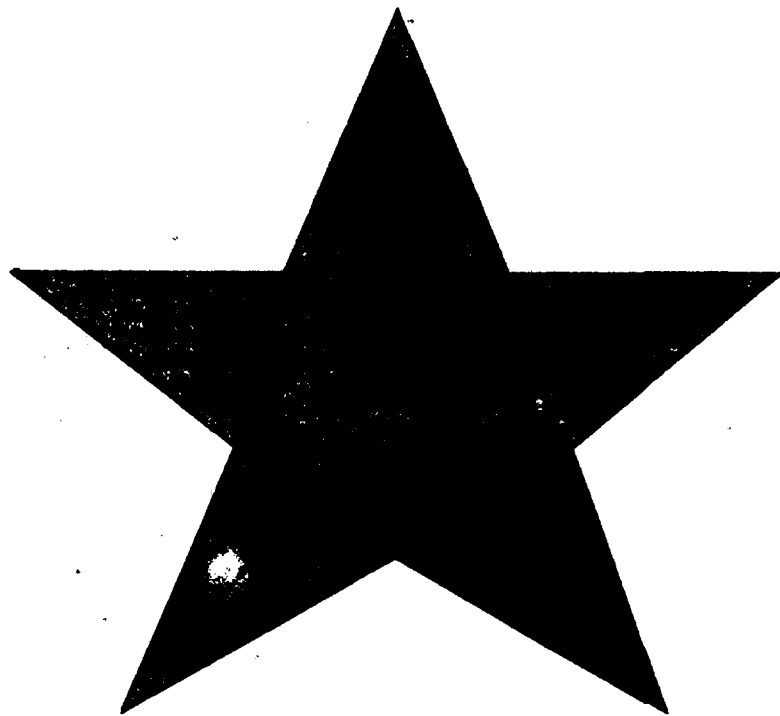
Implementation

- Prescribed proformae were distributed to all schools to get information
- Manual system is being implemented since 9 months
- Computerised system is piloted at one district and it is under testing

DPEP Bureau may suggest

- Guidelines to appoint Programmers on contract basis as it is very difficult to get & retain Computer Professionals.

THANK YOU



Presentation by

Mr. Satish Kaushal

HIMACHAL PRADESH

STATUS OF M.I.S. IN HIMACHAL PRADESH.

PROCUREMENT OF HARDWARE :

Computers has been received at State level & will be installed on Saturday/Sunday.

Computers has also been received in one district viz. SIRMOUR & will be installed very soon.

The supply order has been placed for other 3 (three) districts & the computers are expected by the end of Sept, 79.

M.I.S. STAFF POSITION IN HIMACHAL

STATE LEVEL:-

M.I.S. INCHARGE ——— One

DATA ENTRY OPERATOR ——— One

DISTRICTS:-

JAMMUNA ——— Two DEOs

KULLU ——— One MIS INCHARGE.
One DEO.

SIRMOUR ——— One MIS INCHARGE.
Two DEOs.

LAHAUL
& SPITI ——— One DEO.

EMIS [OISE]

HP

DATA CAPTURE FORMATS:

The DCFs have been got filled in and Data Entry is yet to be started due to non-availability of Systems. The State tried to hire the computers for the districts, but it did not get the same in any of the four districts.

PMIS :- The data with regard to AWP+B for the year 1997-98 has been fed in the computers of Primary Education i.e. A. the State Component of 3 out of 4 districts

Non-tenure -

Reason for non-stability is less salary and insecurity of the job.

The contract should be for Project period atleast.

REQUEST :-

Training on Power Builder to 3-4 persons from each State for at least 3-4 weeks.

Compulsory visits to DPEP-I states to get benefit from the experience of other States.

Ask States to minimise typing work on Computers or increase the Staff.

Presentation by

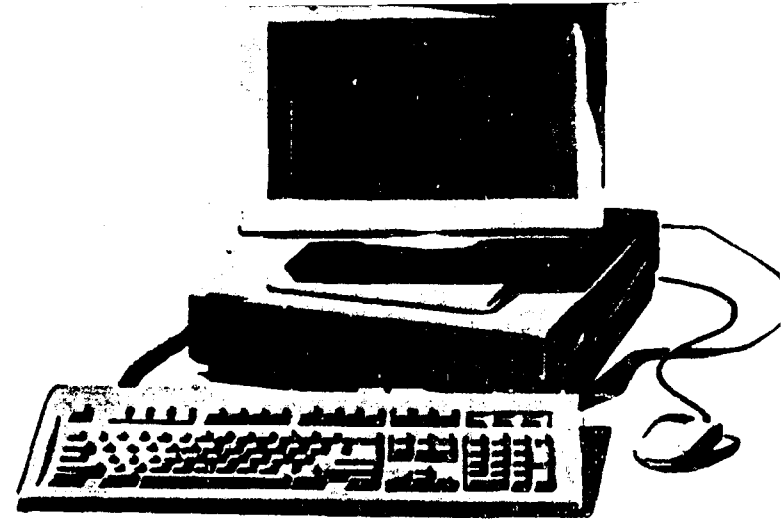
Mr. Pinaki Mohanty

ORISSA



**MIS UNIT, DPEP, ORISSA
WELCOMES YOU**

MIS STAFF POSITION



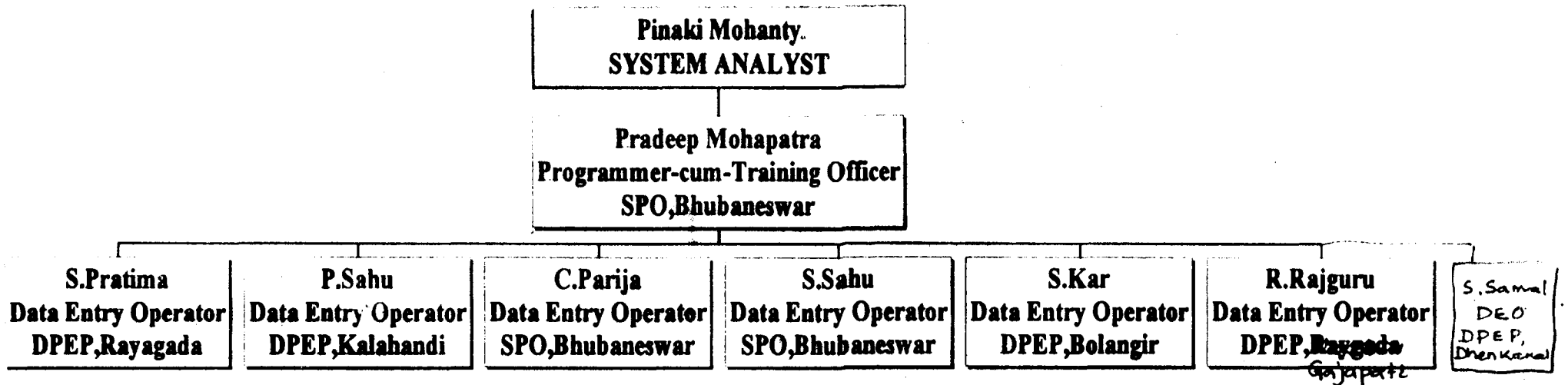
SPO

- * System Analyst - 1
- * Programmer-cum-Training Officer - 1
- * Data Entry Operator - 2

DPO

- * Programmer - Nil
- * Data Entry Operator - 1

ORGANISATIONAL CHART OF MIS UNIT, DPEP, ORISSA



MIS WORKSHOPS AT STATE/ DISTRICT / BLOCK LEVEL

State Level MIS Workshop - 21st - 25th April'97

Resource Persons

- * Prof. Y.P. Agrawal, Senior Fellow, NIEPA**
- * Sri D.K. Kar, Sr. Consultant(MIS), Ed.CIL's TSG**
- * Neyaz Ad. Reyaz, Programmer, NIEPA**
- * Sri Alok Singh, Programmer, NIEPA**

District Level MIS Workshop

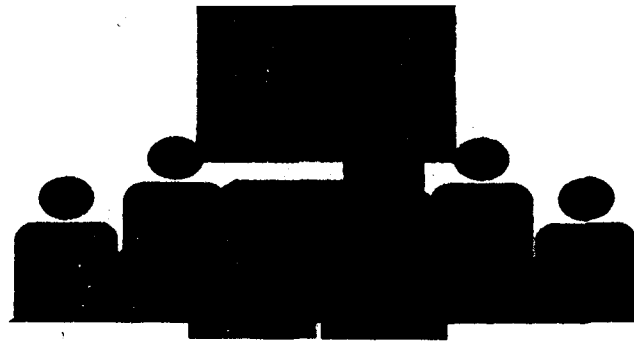
- * DPEP, Rayagada - 19th May'97**
- * DPEP, Gajapati - 20th May'97**
- * DPEP, Dhenkanal - 9th June'97**
- * DPEP, Bolangir - 11th June'97**
- * DPEP, Kalahandi - 26th June'97**

Block Level MIS Workshop for Head Masters' of Schools

- * DPEP, Rayagada - 2nd/5th/7th July'97**
- * DPEP, Gajapati - 4th/5th July'97**
- * DPEP, Kalahandi - 28th June - 9th July'97**
- * DPEP, Dhenkanal - 30th June - 7th July'97**

State Level PMIS Workshop - 30th June - 2nd July'97

- * Resource Person : Ms. Suvarna N.A., Consultant(MIS)
Ed.CIL's TSG, Govt. of India**

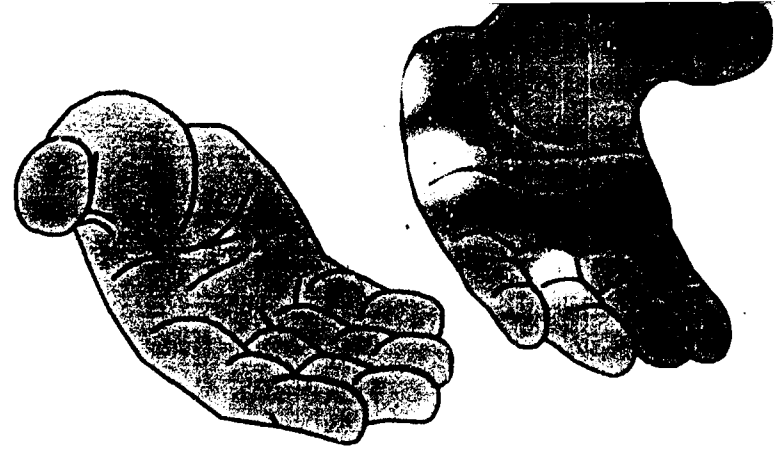


Present Scenario

Out of 5 DPEP districts, 4 districts' data entry are doing centrally at SPO, Bhubaneswar by hired system. The data entry has started from 26th. August'97. The data entry for DPEP, Dhenkanal has started from 10th Aug'97 at DPO, Dhenkanal.

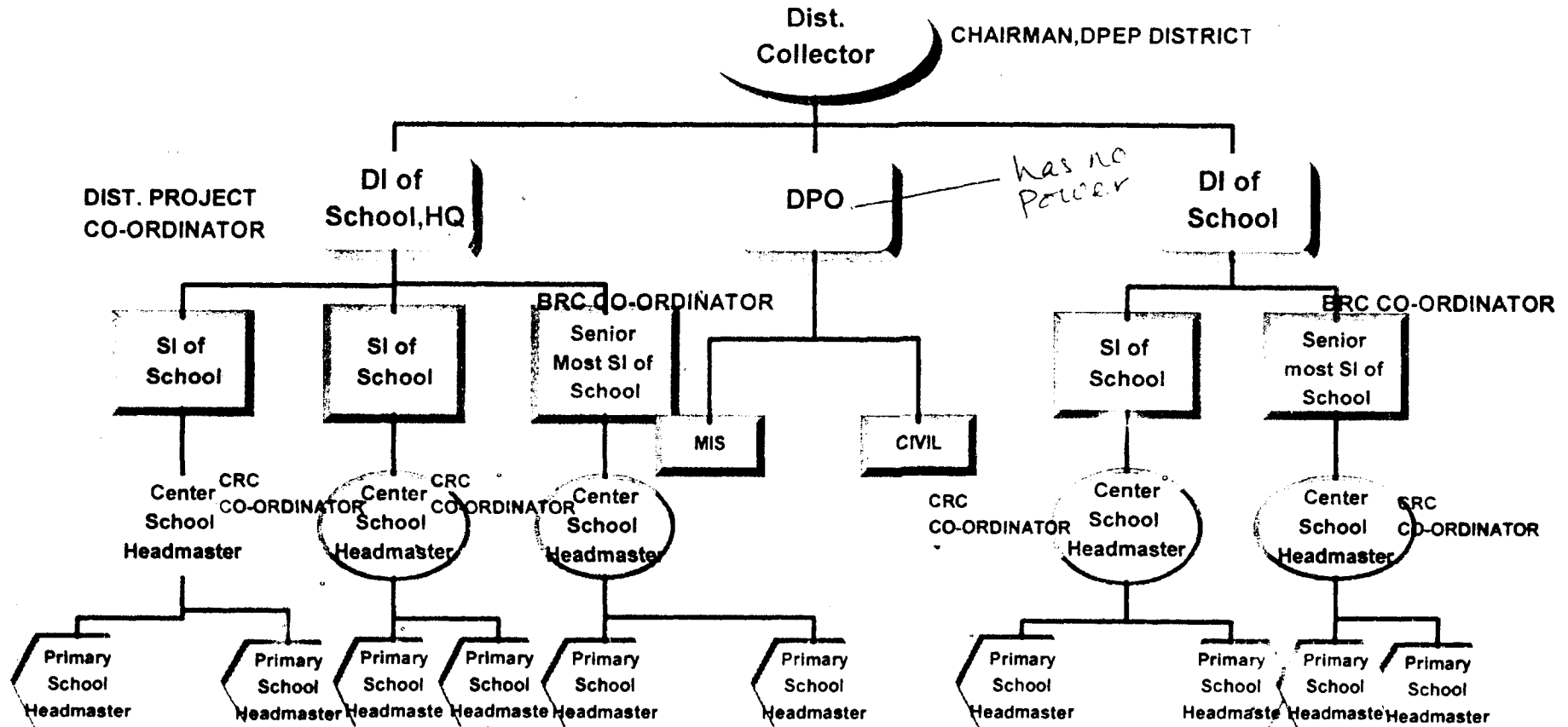
By the end of September, we can able to get hard copy of the reports.

Problem during Implementation



- 1.No priority is giving to MIS at district level.
- 2.No provision for conveyance is available to the field at district level.
- 3.In the absence of Programmer, one dataentry operator has to manage the District Level/Block Level MIS workshop,data collection from the school level.
- 4.Due to the wrong organisational structure at district level,we are facing a lot of difficulties for organising workshop and also data collection. Some of the districts are giving fake data,filling themselves at the district Head Quarter.

ORGANISATIONAL STRUCTURE OF DPEP DISTRICT

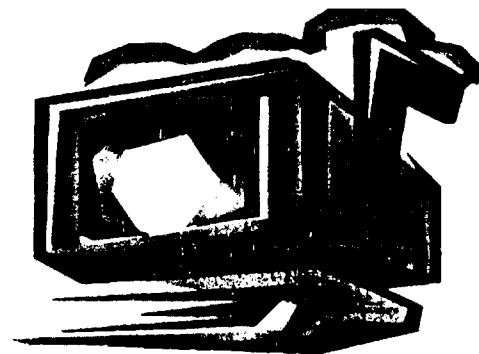


Suggestions



1. The Bureau may ask the State Govt. to instruct the DIs and SIs of Schools of DPEP districts, to help us for collecting the accurate data.

2. A token of honorarium may be given to the persons involved in the data collection process, those who are involved in data collection process.

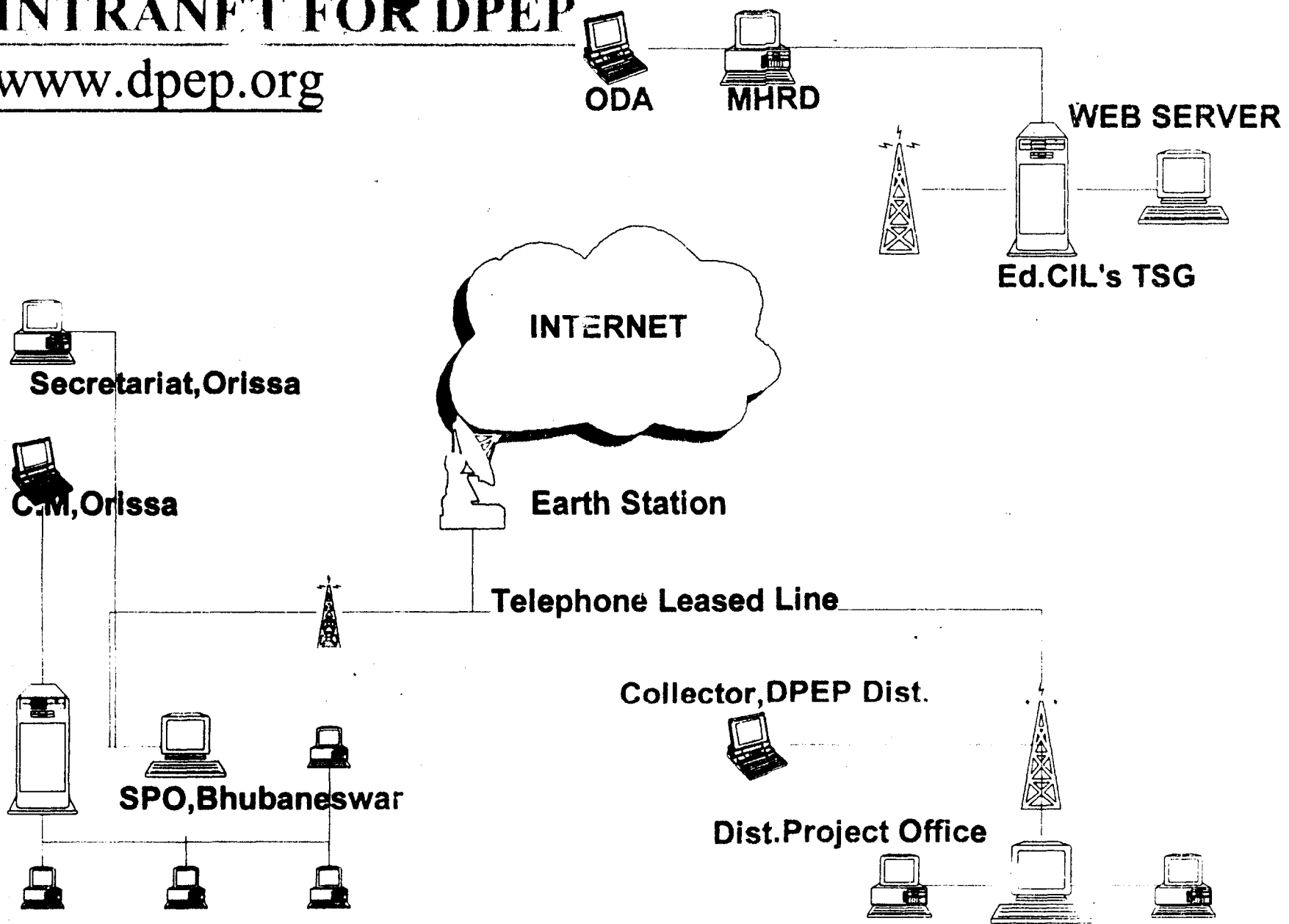


TECHNICAL SUGGESTION

1. EMIS should include computerisation of Base line study, MLL and Janabha Register etc.
2. The entire MIS should be put in the INTERNET. An INTRANET may be built for the planning and monitoring centrally of the entire **EMIS & PMIS**. The district, state and center may be connected through **VSNL/NICNET** or by **INTELSET/SoftNET**. The entire MIS's INTRANET may be in **Client/Server** technology. **Visual Basic** may be used as **front end** tool and **Oracle** as **back end** tool. Even the **DISE** format will be accessed at district level which is in the Central Web Server at N.Delhi, they will feed the data there, the data will be stored centrally at the Web Server, which can be accessed by any person having the accessibility depending upon their organisation and rank.

INTRANET FOR DPEP

www.dpep.org



Presentation by

Mr. Deepak Verma

MADHYA PRADESH

Initialisation

- Cluster should be block wise

Input - School Data

⊕ School location

11. A In case wrong entry don't
except Null value

3. Tribal sub-plan areas entry
can't be change.

⊕ School Particulars

15 Staff category (Teacher,
and

16 to 18 Enrolment data

⊕ Students Enrolment All/SC/ST

In case of co-education school
class-5 Boy column can't be
directory - One student start from
'less than 5' entry.

Utilities - Consistency checks.

⊕ General data

Instead of group 91-99 it should
be 91-912.

MIS Establishment

including Vaccines.

- Govt Procurement for state & Districts
- NIC Connectivity
- Hardware procurement.

These EdCIL or MHRD.

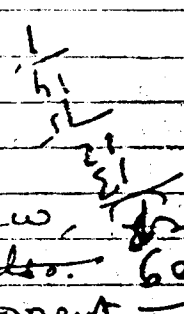
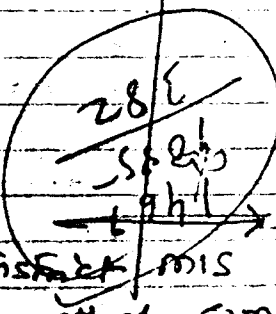
should monitor the

status of state / District MIS also.

5192

as B

5181



2935 (1467) / 2

165	Station - 525	Station - 525	Station - 525
500	Ticket - 500	Ticket - 500	Ticket - 500
500	Bus - 10	Bus - 10	Bus - 10
550	Lunch - 30	Lunch - 30	Lunch - 30
10	Gas - 10	Gas - 10	Gas - 10
15	Shower - 15	Shower - 15	Shower - 15
100	Tea & Dash - 100	Tea & Dash - 100	Tea & Dash - 100
900	Peonies - 900	Peonies - 900	Peonies - 900
20	India Path - 20	India Path - 20	India Path - 20
650	Indo-dan - 650	Indo-dan - 650	Indo-dan - 650
15	Auto - 15	Auto - 15	Auto - 15
20	Tea - 20	Tea - 20	Tea - 20
20	Engage - 20	Engage - 20	Engage - 20
1855			
1815			
1855			

Date - 22/8/97

165

Utilities -

MP
2

⊕ Data Transfer - not useful.

⊕ change password. - Once you give any password, you can't change password, but can't remove password.

⊕ D. : Export - this utility not work in some district computer SC & ST data not being transfer.

ATE-MIS
MADHYA PRADESH

STATL

- ⊕ All districts data
Entry as been completed
- ⊕ Data send to EdCIL
New Delhi
- ⊕ RAJ-RH district data
not compiling after 1st
stage
- ⊕ BILF. PUR district DISE96.
DBs structure not being
modified. So Reports not
printed.
- ⊕ In some districts data
Consistency check can't be

IN DISK SOFTWARE

⇒ INITIALISATION Module:

⊕ CLUSTER entry should be
BLOCK-wise.

⇒ INPUT module:

⊕ SCHOOL LOCATION

11.A In case of WRONG entry
(VEC/PTA) don't except
NULL value.

3. TRIBAL SUB-PLAN new
entry can't be change.

⊕ STUDENT'S ENROLMENT

AU/SC/ST

In co-Education school CLASS-5
Boys column can't modify
directly/Ramdomly.

③ UTILITIES Module :

I. CONSISTANCY CHECK :-

General Data Check - This should be grouped as G1 to G12 instead of G-1 to G-9, G-10, G-11 and G-12.

II. BACKUP:

This utility is not reliable, many time Back-up data can't RESTORE.

Madhys Yandoshi
D.P.E.P

EMIS.96-97 के SOFTWARE में आयी परेशानियों विषयक।

जिला – रायसेन

1. Software बहुत ही Slow प्रत्येक प्रपत्र को फीड करते समय 10-15 मिनट का समय लगता था।
2. DISE Input Icon के कार्य न कर पाने की वजह से दूसरे Computer की मदद नहीं ली जा सकी।
3. Data Entry के दौरान Application Error, Data windows Error आदि Massages लगातर आते रहे।
4. कई बार DISE 2.0 Icon में भी कार्य नहीं किया।
5. Initialization के वक्त Cluster का Block wise ना आना।
6. शाखा का नाम Alphabetically ना आना।
7. A-3 में यदि स्कूल Tribal Area के अन्तर्गत है तो वहाँ "Yes" नहीं होता।
9. Cluster, Blockwise नहीं आते।
10. A-11 में यदि VEC/PTA में गलती से Year फीड हो जाता है तो वहाँ Nil या '0' नहीं हो किया जा सकता।
11. G,H,I में दर्ज संख्या फीड करते समय गलती से Mis feeding हो जाती है तो वहाँ '0' नहीं किया जा सकता।
12. Entry के समय कई बार Control का Dos Prompt पर आ जाना।
13. Reports :
 - a. En-1 में Total का Column नहीं हैं।
 - b. SAI- 4 दर्ज संख्या 1,17,250
EN-1 में दर्ज संख्या 1,17,108
EN-2 में दर्ज संख्या 1,17,108
EN-5 में दर्ज संख्या 1,17,108
EN-3A में दर्ज संख्या 1,12,390
 - c. EN-1 में दर्ज संख्या 117108 हैं जिसमें Boys - 63670, Girls - 53438 हैं
EN- 3A दर्ज संख्या 112309 हैं जिसमें Boys - 63670, Girls - 48720 हैं
अतः Girls Enrolment में अंतर हैं।
 - d. इसी प्रकार –
EN-1 में दर्ज संख्या 23615 जिसमें Boys-13280, Girls-10335 हैं
En-3b में SC दर्ज संख्या 22599 हैं जिसमें Boys-13280 हैं, Girls -9319 है।
अतः Girls Enrolment में अंतर हैं।
 - e. इस प्रकार –
EN-1 में ST दर्ज संख्या 15037 जिसमें Boys-8520, Girls-6517 है।
En-3c में ST दर्ज संख्या 14844 हैं जिसमें Boys-8520, Girls-6324 हैं
अतः Girls Enrolment में अंतर हैं।

- f. EN- 4A,4B,4C का कोई उपयोग नहीं हो पा रहा है क्योंकि प्रतिशत सही नहीं आ पा रहा है।
- g. Total No. of School में कई अंतर हैं
- | | |
|----------------------|------|
| SAI-4 | 1249 |
| T-1 | 2440 |
| SLI-1 | 1229 |
| SB-1 | 1209 |
| SB-2 | 851 |
| EFF-1 | 1247 |
| EFF-2 | 1247 |
| SAI-2 | 1091 |
| SAI-3 (RURAL SCHOOL) | 1245 |
- h. SAI-4 में Total Teachers - 3475 हैं। जबकी T-2 के Management Type में -3694 बता रहा है।
- i. T-2 के Female Tch. Report गलत है।
- j. SAI-4 में class room संख्या 1529 हैं, जबकी SB-3 में class room संख्या 2502 SB-4 में class room संख्या 1362 हैं।
- k. Eff-1 और Eff-3 में कोई समानता नहीं है।
- l. Class-1 Report में Cluster, Block - wise नहीं है।
- m. Class-1 Report में जानकारी '0' आ रही है।
- n. Class-2 Report में Cluster, Block- wise नहीं है।
- o. कोई भी Report Block- wise/ Cluster- wise नहीं है।
14. दि. 26/7/97 को प्राप्त नये DISE 2.01 User Manual के अनुसार General consistency Checks G-1 to G-9 पुराने Manual के General Consistency Checks G-1 to G-9 से पूर्ण भिन्न हैं।
15. Consistency Check का Printout, Graphics में होने के कारण Printing में बहुत ज्यादा समय लग जाता है।
16. Consistency Check G-10,G-11,12 अलग-अलग न होकर G-1 to G-9 के साथ ही होना चाहिए।
17. Pupil teacher ratio 40 से कम होने पर भी G-6 Error Consistency बताता है। जैसे - 17 Enrolment पर दो टीचर

BLOCK / MANDAL / TALUK SELECTED EDUCATIONAL STATISTICS
(Primary Classes)

District : RAISEN

Year : 1996-97

Block	No. of Schools	Students	Teachers	Class rooms	No. of Sections
BADI	202	21207	546	359	259
BEGAMGANJ	184	15870	474	367	498
GAIRATGANJ	120	12045	293	213	199
OBEDULLAGANJ	196	19249	636	586	476
SANCHI	183	17877	459	332	272
SILWANI	186	14089	436	259	251
UDAIPURA	178	16913	631	413	319
Total	1249	117250	3475	2529	2274

old

116100

3411

22735

ENROLMENT SUMMARY

District : RAISEN

Year : 1996-97

Enrolment	Class				
	I	II	III	IV	V
Total Students	26317	27663	23497	21229	18402
Boys	14338	14482	12599	11914	10337
Girls	11979	13181	10898	9315	8065
SC Students	5029	5503	4976	4650	3457
SC Boys	2820	3014	2775	2658	2013
SC Girls	2209	2489	2201	1992	1444
ST Students	4192	4025	2825	2218	1777
ST Boys	2375	2115	1593	1308	1129
ST Girls	1817	1910	1232	910	648
OBC Students	9011	9441	8349	7522	6580
OBC Boys	4881	4970	4465	4225	3703
OBC Girls	4130	4471	3884	3297	2877

Vertical

Total

117108

63670

23615

13280

10335

15037

8520

6517

40903

22244

18659

% SC	19.23	19.96	20.95	21.42	18.50
% ST	15.87	14.72	12.31	11.04	10.16
% OBC	34.42	34.15	35.73	35.64	36.12

DISTRIBUTION OF SCHOOLS BY ENROLMENT CATEGORIES

District : RAISEN

Year : 1996-97

Enrolment	Number of Schools				Total Enrolment
	Rural	Urban	@No resp.	Total	
1 - 20	36	0	0	36	549
21 - 60	366	1	2	369	15874
61 - 100	404	0	0	404	31758
101 - 140	233	0	0	233	27476
141 - 220	131	1	0	132	22783
221 - 300	27	0	0	27	6837
>300	31	0	0	31	11889
#	17	0	0	17	0
Total	1245	2	2	1249	117166

: Schools which reported no data on enrolment

@ : Schools which have not reported their rural/urban classification

REPEATERS BY CLASSES

District : RAISEN

Year : 1996-97

Class	Total Enrolment		Repeaters		Repetition Rate (%)		
	Boys	Girls	Boys	Girls	Boys	Girls	Total
I	14338	11979	335	239	2.34	2.00	2.17
II	14482	13181	260	231	1.80	1.75	1.77
III	12599	10898	460	396	3.65	3.63	3.64
IV	11914	9315	387	361	3.25	3.88	3.56
V	10337	8065	322	329	3.12	4.08	3.60
Total	63670	53438	1764	1556	2.77	2.91	2.83

117108

2220

ENROLMENT BY AGE GROUP

District : RAISEN

Year : 1996-97

Primary School	AGE GROUP				Total
	< 6	6 - 10	11 - 13	> 13	
Total Students	1816	10107	135	658	117108
Boys	1076	54763	7456	370	63670
Girls	740	46303	6107	288	53438
SC Students	317	20307	2851	140	23615
SC Bc	189	11447	1568	76	13280
SC Girls	128	8860	1283	64	10335
ST Students	214	13330	1414	79	15037
ST Boys	109	7459	893	59	8520
ST Girls	105	5871	521	20	6517

DISTRIBUTION OF ENROLMENT BY SINGLE YEAR AGE [ALL STUDENTS]

District : RAISEN

Year : 1996-97

Class ->	I		II		III		IV		V		TOTAL	
	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS	BOYS	GIRLS
<5	146	96	9	0	0	0	0	0	49	2	204	98
5	813	529	19	7	0	0	1	0	39	0	872	536
6	9943	7431	640	434	47	21	21	10	31	0	10682	7896
7	2512	1654	9143	7160	582	426	24	39	16	6	12277	9485
8	550	488	3264	2943	6983	5191	488	429	48	36	11333	9087
9	164	162	867	769	3262	2719	6128	4165	554	510	10995	8325
10	127	59	268	299	1149	945	3252	2324	4685	3509	9481	7136
11	27	30	148	122	367	318	1253	860	3087	2525	4882	3855
12	16	8	46	67	139	141	466	335	1161	884	1828	1435
13	14	7	61	22	47	48	161	113	463	404	746	594
>=14	6	2	17	5	23	23	120	84	204	189	370	273
Total	14368	10866	14462	11828	12599	9832	11914	8329	10337	8065	63670	48720
New Admis	8369	6637	1226	998	1017	705	987	578	822	514	12921	9432

PERCENTAGE DISTRIBUTION OF SCHOOLS BY NUMBER OF CLASSROOMS

District : RAISEN

Year : 1996-97

Number of Classrooms	Rural Schools	Urban Schools	All Schools
0	22.74	50.00	22.78
1	18.42	0.00	18.39
2	26.41	50.00	26.44
3	18.74	0.00	18.71
4	5.38	0.00	5.37
5	3.42	0.00	3.42
6 - 9	3.50	0.00	3.50
10 - 13	0.57	0.00	0.57
more than 13	0.49	0.00	0.49
Total	99.67	100.00	99.67
Number of Schools	1227	2	1229

Average no. of class rooms :

All Schools = 2.05

Rural = 2.05

Urban = 1.00

TYPE OF SCHOOL BUILDING BY MANAGEMENT

District : RAISEN

Year : 1996-97

Type of Building	Number of schools by type of management						Total
	Dept. of Education	Dept. of tribal welfare	Local Body	Private Aided	Private Unaided	Others	
Pucca	434	15	9	6	36	1	501
Partially Pucca	360	8	5	6	13	1	393
Kuccha	45	4	3	3	10	0	65
Tent	1	0	0	0	0	0	1
No Building	212	6	16	6	1	8	249
Total	1,052	33	33	21	60	10	1,209

Date : 25 Jul, 1997

DISE Ver 2.01

(SB - 1)

20

CONDITION OF CLASS ROOMS BY SCHOOL MANAGEMENT

District : RAISEN

Year : 1996-97

Condition of Classroom	Type of Management						Total
	Dept of Education	Dept of Tribal welfare	Local Body	Private Aided	Private Unaided	Others	
Good	745	18	28	14	248	5	1053
Requires minor repair	386	8	1	12	25	0	432
Requires major repair	376	6	7	6	0	0	395
No response @	487	22	15	13	80	0	617
Total Class Rooms	1994	54	51	45	353	5	2502

Total number of schools : 1249

@ Condition of classrooms not given

Distal Information System of Education (DISE) Ver. 2.01

General Consistency Checks

Block/Mandal/Taluk Name: AJAIGARH

G10 Total no. of students (B. Item 16) should be equal to total of (G. Item Total)
Please check for all listed schools

Schoolcode	Schoolname

DataWindow Error

Select error: SQLSTATE = S0002
[WATCHCOM]ODBC Driver[] table or view not found: table
deleted_total not found

OK

G1 - G9 G10 G11 G12 Print Exit

Distal Information System of Education (DISE) Ver. 2.01

General Consistency Checks

Block/Mandal/Taluk Name: AJAIGARH

G11 Total no. of SC students (B. Item 17) should be equal to total of (H. Item Total)
Please check for all listed schools

Schoolcode	Schoolname

DataWindow Error

Select error: SQLSTATE = S0002
[WATCHCOM]ODBC Driver[] table or view not found: table
deleted_total not found

OK

G1 - G9 G10 G11 G12 Print Exit

Distal Information System of Education (DISE) Ver. 2.01

General Consistency Checks

Block/Mandal/Taluk Name: AJAIGARH

G12 Total no. of ST students (B. Item 18) should be equal to total of (I. Item Total)
Please check for all listed schools

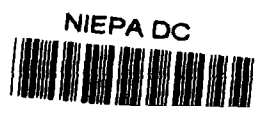
Schoolcode	Schoolname

DataWindow error

Select error: SQLSTATE = S0002
[WATCHCOM]ODBC Driver[] table or view not found: table
deleted_total not found

OK

G1 - G9 G10 G11 G12 Print Exit



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